

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.





6229

c1933

LIBRARY  
DIVISION  
2 1934



ALFALFA



FIELD OF  
RED CLOVER

VEGETABLE  
SEED TRIALS  
HORTICULTURE



HARVESTING SWEET CLOVER



**KANSAS SEED COMPANY**

*Grass, Field and Garden Seeds*

**422-4-6 N. Santa Fe Ave.**

**SALINA, KANSAS**

FEB - 3 1933





# GRIMM VARIETY ALFALFA

Vigor, Hardiness and  
Heavy Yields; These  
Characteristics are Bred  
Into Grimm Alfalfa

Our Grimm is all Northern grown seed. It comes from sections where years and years of icy cold Winters have developed a hardiness against Winter killing, that is of untold value to the farmer who wants Alfalfa on his farm. Only the strongest plants survive to make seed. When you sow seed from such crops you get plants of extra hardiness. You have a crop that can better resist the heaving soil action in the Spring. You have a crop that can stand your hot Summers and your cold Winters.

## Heavy Yields are Money Makers

Our northern grown Grimm is in its very nature a prolific grower and a heavy producer. Therefore cutting down Winter killing to a minimum a heavy stand each Spring assures a tremendous production. Four, five and six tons per acre. The yearly crop is worth seventy-five to one hundred dollars per acre. And that comes year in and year out. You are truly growing gold when you have a field of our northern grown Grimm on your farm. No other general farm crop will bring you so much money with so little work as Alfalfa.

## Economy of Sowing Grimm

The extra hardiness of our Grimm cuts Winter killing to a minimum. That means larger yields. A stand that is damaged over Winter will produce less hay per acre than a field that comes through practically untouched. Such a field will yield from  $\frac{1}{2}$  to  $1\frac{1}{2}$  tons per acre more than a damaged field. A difference of half a ton in yield means about \$10.00 per acre. You can easily see that in one year the Grimm can pay its extra cost four and five times over. The extra returns from Grimm will increase from year to year.

## Start with Grimm Alfalfa

If you are just starting Alfalfa you might just as well start with the best. Sooner or later most farmers are going to use Grimm. The seed is a little more expensive to start with but in the end it is usually the most economical. If you are growing Alfalfa now and have trouble with Winter killing, we urge you to sow Grimm. The extra hardiness and vigor and productiveness are worth much more to you than the extra cost per acre of sowing Grimm.

## Grimm Seed Reasonably Priced

Our Grimm is all highest quality stock. Big plump berries, bright colored, high purity and germination.

We contracted this seed to very good advantage. We operate on a close margin. You benefit by our contract. Compare quality, genuineness and price, and you will find that our prices save you money.



# Located in the Heart of Agriculture

## Parcel Post Zones

From

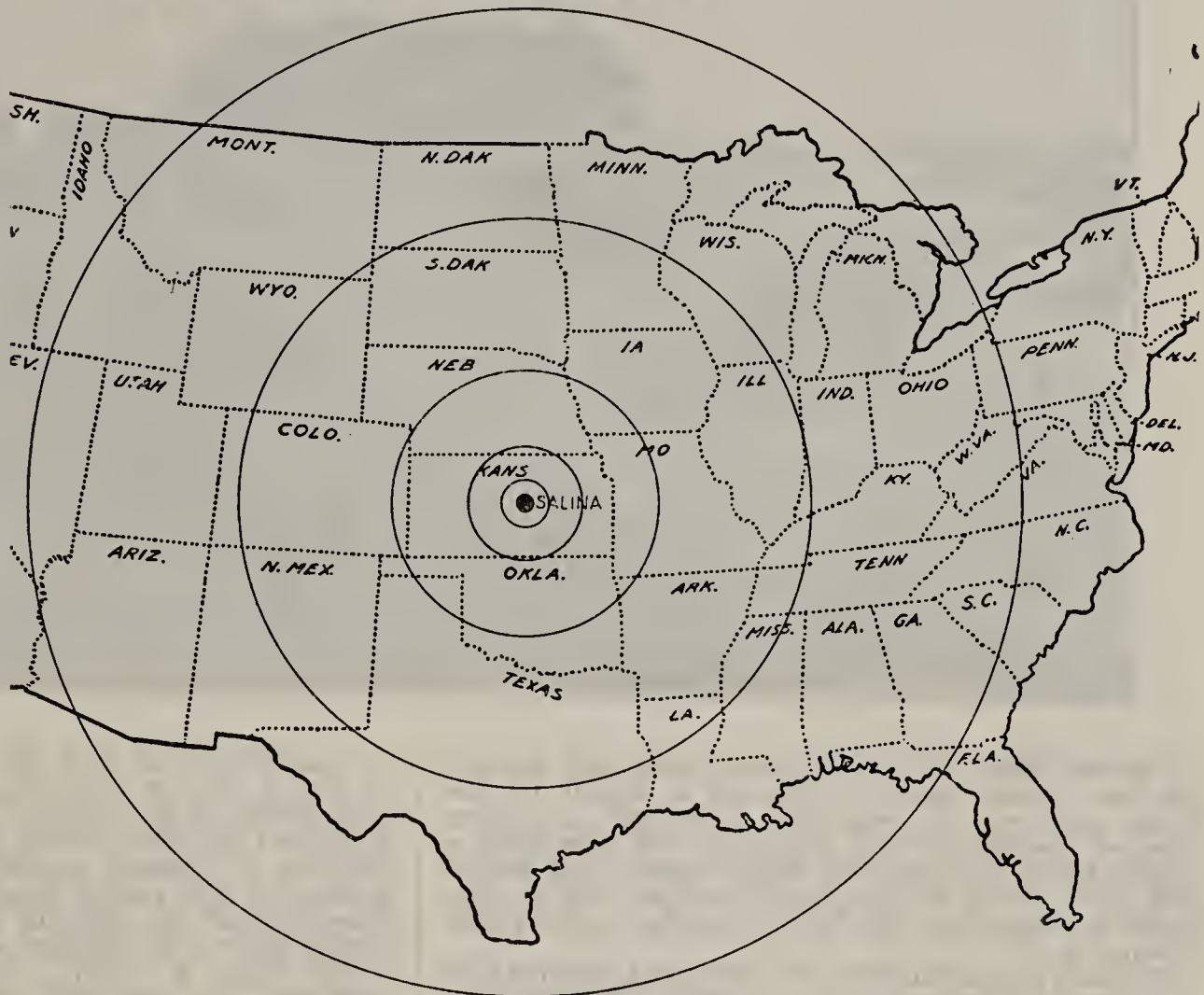
SALINA, KAN.

This map shows you where we are located, and you can see at a glance what zone you are in from our place. By figuring up from the table below you can tell what the Parcel Post charges would be from here. Remember that a fraction of a pound is always charged as a full pound. For instance: 18 ounces would be called 2 pounds. Also remember that there is an extra charge on the first pound. Here are the rates:

Zone 1, 1c per lb., plus 6c
" 2, 1c per lb., plus 6c
" 3, 2c per lb., plus 6c
" 4, 4c per lb., plus 5c
" 5, 6c per lb., plus 4c
" 6, 8c per lb., plus 3c
" 7, 10c per lb., plus 3c
" 8, 12c per lb., plus 3c

Rates apply to all seeds.

Weight limit on zones 1 and 2 is 75 lbs., on the rest 50 lbs.



## PARCEL POST

The Parcel Post Law is a big thing to the buyer of seeds, as he can buy direct by mail to the best advantage, getting quick delivery and the best of quality and at a much lower price. The Parcel Post Law enables us to send seeds to all parts of the United States very cheaply on account of our being centrally located, reaching all our customers within the sixth zone. The nearby customers can have quite large shipments sent by Parcel Post at a nominal cost. See table above. Multiply the number of pounds of your shipment by the cost per pound, according to zone, and then add the few cents given and you have the correct postage. Example: Fifth zone, 40 lbs., multiplying by 6c amounts to \$2.40 plus 4c, total postage \$2.44. Twenty pounds in the second zone costs 26c; fifty pounds 56c; smaller amounts proportionately less. Large quantities outside of the second zone as a rule will go cheaper by express.

## FREIGHT RATES LOW

Don't let freight charges worry you in the least, because whether you buy from us or the home dealer you pay the freight. If you make up your order to weigh 100 pounds or more, you pay no more freight than any local merchant buying from us. Less than 100 pounds will be charged that weight, as this is called a minimum shipment; but freight charges are not so high, as grain and seeds take 3d and 4th class, and are much cheaper than merchandise.

## PROMPT SHIPMENTS OUR HOBBY

We realize the importance of being prompt in filling an order and have made many changes and improvements so that we feel sure that there will be no delay in our shipping department. We make a special effort to fill every order the same day it reaches us, except those that arrive on the late mail, and they

will be sent out the following day. Don't hesitate sending us your order, as we have the seeds you want and are in position to get them to you quickly and guarantee safe arrival of shipment.

## REASONS FOR LOWER PRICES AND BETTER SERVICE—LOCATION

We are centrally located in the greatest agricultural section of the world. All about us are the great seed producing fields. Alfalfa, Sweet Clover, Red Clover, Alsike, Timothy and Grasses of all kinds. Wheat, Oats, Barley and Grains of every description. We get our seeds from the sections where it is produced at its best. Comparatively short hauls bring the seed to our warehouse to be recleaned and graded. You get the seed in A No. 1 shape. The kind of seed that will give you the best assurance of success.

## WHERE WE BUY OUR SEEDS

We strive to obtain as much of our seeds as we possibly can from the best producing sections so as to get stocks purchased to the very best advantage. We also find that by buying direct, usually a better quality can be obtained and we can get the grade of seed desired to much better advantage than when we buy in the markets.

We deal very extensively in grass and field seeds and, as a rule, put in heavy stocks at the time they are coming on the market. We have found that we can make a decided saving to our customers by handling our business in this way. We pay cash for our seeds and store them in our own warehouses, and we know of no seed house better equipped for handling this class of seeds. Our regular customers know of this saving on seeds that we are able to make them. We receive a great many letters from customers telling us that they are not only well pleased with the quality of our seeds, but had saved very materially on their purchases.



# Our Specialty Is Recleaned Grass Seed

## We Can Save You Most Per Bushel



Farmers when buying grass seeds, as a rule, demand the best grade. Since the demand is largely for the better seed we are especially interested in getting together the choicest lots obtainable and have made a special effort to secure this higher quality and handle only such grades as our trade demands and be prepared to supply the very highest quality to those who demand it.

We have a large number of experienced, trained men in our employ, whom we put in the buying field and they purchase such lots of seed as we consider suitable for our critical trade, securing a goodly part of our requirements in this way. In buying grass seed, one must be a good judge of quality and pass up many lots on account of certain weed seeds and owing to the heavy shrink in cleaning. We feel that our trained buyers are well qualified to select seed that will please and prove satisfactory for the most critical trade.

Our location places us very favorably for the buying and handling of grass seed. This territory is recognized as the leading timothy producing section and a splendid quality of clover is also produced. We are also near Illinois, Wisconsin and Minnesota, which states likewise produce an excellent quality of clover so we can draw from them advantageously. It is also true that we are in the large alfalfa seed producing state of Kansas, and near Nebraska, so that we can buy much seed to better advantage than if located in a large city more distant from the fields of production.

We like to deal direct with the farmer and big users of grass seed. We can show them wherein we can save them money and in doing this we make a loyal friend. Our customers are our best boosters for our seeds and often state we save them more money than we claim. These facts should be carefully weighed by every buyer of grass seed. If we have the quality and a lower price, we are entitled to your order. If you will compare our quality and prices we are willing to let you decide whether we can save you money.

### OUR CLEANING IMPROVED

The cleaning of grass seed is a science that requires years of experience to perfect. We do claim to know something about the science of cleaning.

It has been our aim to keep abreast of the times and improve our cleaning facilities whenever possible. A few years ago we put in all new equipment, and we have a number of the latest high powered suction cleaners installed, as well as a new scarifying machine and consider our equipment all that is required

to clean grass seed up to the very highest quality. We, of course, cannot take foul or weedy lots and make high grade seeds of them. It is necessary to have a good seed to start with if a high quality is desired. However a complete separation can be made of many weeds and the results obtained depend more on the experience of the operator than it does on the mills. Our experience in cleaning is our greatest asset.

We have a newly constructed elevator built especially for cleaning purposes, enabling us to handle seed quicker, cheaper and more satisfactory than before and we have added to our screens until we have an immense collection of the best screens obtainable for the scientific cleaning of grass seeds. To know the proper screens to use in the mills to remove certain impurities, requires years of experience and a keen eye, so as to readily detect whether the best results are being obtained.

With our latest improved cleaners, all electric driven, and with our knowledge of cleaning, we are prepared to make up our grades so as to meet the requirements of all buyers of grass seed. If you want the Best, you should find it in our Crown Brand. If the highest quality is not desired, our Sunflower Brand should suffice. Many however, wish a medium grade of seed at a still lower figure which is offered in our Arrow Brand.

Lower grades are commonly offered, but we do not believe it is economical to buy the cheapest seed you might be able to secure. Our advice is to BUY THE BEST. We have the greatest confidence in our Crown Brand and this is the quality we recommend.

### GRASS SEED OUR SPECIALTY

We have been giving much study to the grass seed business, studying the requirements of our customers and buying the quality of seed that they wished to sow, increasing our business wonderfully, adding thousands of new satisfied grass seed customers to our list each year. We feel very grateful to our customers for the business they have given us and we have tried to show our appreciation by giving them extra good value.

Our policy has been to secure our seed at the most logical time, buying on low markets and depending on the rise for at least a part of our profits. In conducting our business in this way and specializing on grass seeds we have been able to build up an enormous trade and we know that our customers are satisfied and are getting the very best values.



# The Kansas Home of Quality Seeds



## EXPLANATION OF GRADES

We want to explain the difference in grades, also why we offer more than one grade of grass seed. In buying seed from the country or market it is sometimes necessary to accept some lots that are not as desirable in order to fill out cars and when we take in the seed it is necessary to sort up the different lots according to purity, color, germination and general appearance, selecting the best for our Crown Brand and making up balance of grades according to the quality of the seed. Understand, no two lots of seeds run exactly alike. One is a little better than another or in other words, some lots might not be quite good enough for our Crown Brand, due to some slight imperfection, but still the seed is Fancy Stock, desirable for sowing and naturally fits into our Sunflower Brand. Other lots are off in color or contain some crop seeds, or other impurities somewhat more making it necessary to place same in our Arrow Brand. Other lots that contain large quantities of shrunken seed and not very pure go into our Star Brand. We use all the skill at our command when it comes to making up our different brands of seeds.

There is only a small per cent of the crop, as a rule, that is suitable for our Crown Brand, consequently, it is necessary to offer these different grades, if the entire crop of grass seed is to be handled. For example, many lots of timothy are badly hulled, dark in color but test good for purity and germination. This class of seed would never do for our Crown Brand, but can be sold at a lower price as a lower grade and still be of equally as good value as the best. Alsike often contains a trace of timothy, making it necessary to sell such lots as a lower grade and at a lower price as only the cream of the crop will do for the best grade. In clover we have a wide range of quality and the same thing is true of Alfalfa and Sweet Clover and this explains why we offer more than one grade of grass seed. We find the demand for grass seed to be largely for the better grades and the up-to-date farmer who has high priced land is demanding the best seed. We have been urging our friends and customers to buy our Crown Brand. If your requirements are such as to need a grade at a lower price, we are prepared to supply and give you big values.

This year we have given particular attention to the quality arranging for a larger stock of our Crown Brand. We sincerely believe you'll find in our Crown Brand the highest quality produced. It is the result

of our best efforts in securing the choicest lots and our best knowledge of cleaning and grading.

**CROWN BRAND**—This is our very best tested, recleaned seed, representing the cream of the crop. We advocate the buying of the best grade and it is demanded by many farmers who wish only the very finest seed. We stake our reputation on our Crown Brand quality and believe it will please and satisfy the most critical buyers.

**SUNFLOWER BRAND**—This is a very fancy grade of seed and we can recommend it very highly. It meets the requirements of a large numbers of buyers. It has been carefully recleaned and graded and is superior to much seed that is being offered in a retail way. It is a grade that usually satisfies. It is seed that succeeds.

**ARROW BRAND**—This grade pleases a great many farmers and will give you good satisfaction and we do not hesitate to recommend it as good serviceable seed. Although this grade has been recleaned and graded we do not recommend it to the more critical buyers. However, it is an extra good value and is demanded by many customers.

**STAR BRAND**—This grade is a good clean, dependable seed. We have hundreds of customers who buy this quality. It may be a little off color but has been carefully graded and recleaned and the color does not affect the crops it will produce. It is not the finest looking seed but a good sound value and many of our customers use it every year.

**UTILITY BRAND**—This grade is our bargain sales builder and is in demand by a great many of our customers. This is our cheapest grade of seed and the one frequently demanded for overflow land or when buying seed for fertilizing. This is recleaned seed and most of it will grow. However, we do not recommend it in competition with the better grades.

## Club Together and Buy in Quantity

If you cannot use, say 10 bushels of clover seed or 25 bushels of seed grain, see if you can get some of your neighbors to order with you. Should you wish a large amount of seed, make out a list of just what you wish and we will quote you a special net price on the complete order. As a rule we can save our customers some money on large orders by figuring them this way,



# BUY YOUR CLOVER EARLY

We find the clover crop very short in many sections and from the interest manifested in the way of early buying we predict an unusually heavy seeding this spring. On account of the increased demand and short crop, we look for higher prices. We have bought a big supply of extra high grade seed early and we can offer seed to extra good advantage. Our prices will rule low throughout the season, compared with the market, but our best values will be offered at the beginning of the year. Don't delay buying your seed as the best quality can be bought early, and at the most favorable prices. You will be delighted with our Crown Brand quality and we want you to buy this grade.

We are large dealers in common Red Clover and it would surprise you to know the great amount of this seed we handle. The area is increasing very rapidly, on which it grows successfully, for the bacteria is being inoculated in the soil, from different causes and it is taking new territory each year. The Clovers are the greatest of all soil makers, grass and hay producers. To the progressive, money making farmer Clover is indispensable for rotation of crops. Our Clover Seed is always in demand and we always carry a very large stock of high grade seed.



Red Clover

## MEDIUM RED OR COMMON CLOVER

This is the most valuable clover in general use. Splendid for hay, pastures, soiling or plowing under. Especially desirable for dairy cows on account of its high percentage of nitrogenous elements. It is the standard everywhere for hay and pasture. Two cuttings may be made in a season. Iowa grown Medium Red or June clover has become widely known for its purity, strong vitality, vigorous growth and stooing qualities. The best is the cheapest when it comes to clover seed. Inferior cheap grades you will often find to be simply a mixture of weed seed, sand, dirt and shrunken clover. We do want you to send to us for samples and get our prices. We can and do meet all competition.

## MAMMOTH OR SAPLING CLOVER

It is similar to Red Clover, both in the appearance of the seed and its habits of growth, the difference being that it usually grows larger and is later in maturing. It is considered superior as a soil improver on account of the extra growth. It has a longer life, being more hardy it may be used to reclaim soils where other clovers would fail. It is a good variety for thin soils or to seed with Timothy Meadow Fescue, Herd Grass or Red Top as it matures about the same time as these grasses. The appearance of the seed is identical with the Red Clover, and on this account it is impossible to distinguish any difference between the two by the appearance of the seed.

We always obtain our supplies from reliable sources, using every reasonable care to supply Mammoth or Sapling Clover as ordered. Sow eight to twelve pounds per acre by itself, or with Timothy. Six pounds of Clover and eight pounds of Timothy will give a liberal seeding.

Price—Postpaid, 1 lb. 50c. Write for samples and prices.

## GIANT INCARNATE or CRIMSON CLOVER

Valuable for pasture, green forage, hay and especially valuable for quickly restoring wornout soils.

Giant Incarnate Clover forms upright branching plants 2 to 3 feet high. It roots very deeply and is a bountiful provider of nitrogen. It grows most luxuriantly on fertile loam yet it will thrive better on thinner and poorer soil than Red Clover. It is more efficient for green manuring than the latter. Plowing under a good crop of Giant Incarnate is equivalent to 20 tons of stable manure per acre. It is the cheapest source of nitrogen.

It is tremendously prolific. Sown in April, it sprouts without delay, grows bushy and rank, yet of fine fibre, and is ready to cut and furnish an enormous crop of hay by July 10th, which is more nutritious, richer in protein than Red Clover and is especially adapted for work horses. On an average soil the yield of cured hay is about 3 tons an acre, and of green forage 12 tons.

SEEDING—In the northern and central states in spring, as it is liable to freeze out there in winter; in the southern and eastern states it is mostly sown in the fall; 10 to 15 lbs. of seed are used per acre. It should be cut for hay or soilage before the flowers commence to mature.

Price—Postpaid, 1 lb. 20c; 6 lbs. \$1.00.



Alsike Clover

## Alsike Clover

Known as the Swedish Clover. Increasing in Popularity Very Rapidly as Its Great Worth Is Being Recognized

This is a wonderful clover adapted to all kinds of soil where grass will grow, but especially adapted to moist, wet soil, where it is subject to overflow; providing the water does not stand on it too long at a time.

Alsike Clover is not such a coarse plant as the Mammoth or Common Red Clover; more the nature of White Clover, except that it is much more erect, grows even better than Common Clover. The Blossoms are purple, very similar to the blossom of white clover in size, with darker color.

Alsike makes the best combination with other grass either for hay or pasture and grows on up-land as well as on moist soil. When sown with other grasses, it forms a thick bottom and greatly increases the yield. It is a perennial and has quite an advantage over Medium Red Clover, for it is biennial. When sown with Medium Red Clover, it makes more permanent pasture. When sown with Timothy, it is one of the most superior grasses that any farmer can grow.

We have a special mixture of Alsike and Timothy that is threshed together, which makes the seed more reasonable in price than buying the two separate.

Do not buy a bushel of this wonderful grass seed until you have seen our samples. The price fluctuates greatly, according to the yield of seed the crop produces, but is a trifle lower this year than Common Clover. The seed is about the size of Timothy seed and goes much farther. You will save money by using our Alsike Clover.

Price—Postpaid, 1 lb. 40c; 3 lbs. \$1.10.

Be sure to write for prices and samples,



# HUBAM CLOVER

## Annual White Blossom Sweet Clover

**Makes full Growth—Blooms and bears seed the same year it is sown**

This Clover was discovered by Prof H. D. Hughes of Iowa State Experiment Station at Ames, Iowa. The original seed was traced to Alabama, and the crop was named by combining Hughes and Alabama into Hubam.

### A Great Soil Builder

Consider a Clover, a nitrogen gathering crop that makes such a tremendous crop in one year. A soil building force that can be sown in the spring with small grain and plowed under for fertilizer the same fall. A heavy crop of Hubam plowed under is equal to 25 big loads of manure per acre.

This Clover gathers nitrogen from the air. Its root development opens up soils. When plowed under it decays quickly leaving the soil rich and mellow. Such land warms up quicker in the spring. It is easier to work. It drains better and yet is in better condition to hold just the proper amount of moisture for growing crops.

### Good for Pasture and Hay

Hubam may be sown on winter wheat or with spring grain.

Seed should be inoculated. It grows slowly at first. About the time grain is cut it begins its rapid development. Is often ready to cut for hay 6 weeks after grain is removed. Can be pastured much sooner. Feeding value is high, practically equal to Alfalfa. It can be pastured heavily. A good growth of Hubam makes very large yields of hay.

Hubam blooms very freely and makes excellent bee pasture. It is also a crop that usually seeds prolifically and makes a profitable seed crop. Many grow Hubam for seed purposes only and get excellent returns. It should be borne in mind however that if the greatest soil building benefit is to be secured the full growth should be plowed under.

### Seeding Methods

Sow on winter wheat or with spring grain. Seed bed should be firm, and well settled. Cover  $\frac{1}{2}$  to 1 inch deep. Roll if possible. Sow 12 to 15 pounds per acre. If wanted for seed crop only seed may be conserved by planting in rows 30 to 36 inches apart using 2 to 3 pounds per acre. Planted in this way it will require cultivation. Most seedings are drilled in close rows with grain or sown broadcast and harrowed in. If sown on wheat, sow when you can harrow soil lightly. We do not advise sowing on top of the ground excepting in a wet year.

### Consider Its Possibilities for You

A crop that grows from 3 $\frac{1}{2}$  to 6 feet in a single season. One that produces in one season 3 times as much matter as the common Sweet Clover and 6 times as much as Medium Red and Mammoth Clover sown at the same time. A crop that matures a crop on average of 5 months after seeding. Its possibilities and its value are at once apparent to all.

### Good Supply of Genuine Hubam

#### Thoroughly Recleaned, Hulled and Scarified

We have secured for you a very choice stock of the most reliable seed. It is bright plump fully matured and of exceptional quality. It is extra fine for purity. We have scarified this seed thoroughly making it strong and high in germination.

### Money Saving Prices on Hubam

By buying in large quantities can secure this seed to advantage and then selling on a close margin makes our prices very attractive and materially lower on the best seed. Our seed is the type it will pay you to buy. Thoroughly recleaned and scarified by the new method.

The early buyer gets the advantage of the best seed and service and values.

Price—1 lb. Postpaid 45c; 5 lbs. \$2.00; 10 lbs. \$3.75.



Lawn of White Dutch Clover

## White Dutch Clover

Commonly known as White Clover, that makes such good pasture and is so valuable for lawns. It is the hardiest of all clovers and accommodates itself to all manner of soils. Will endure the extreme heat and dryness of summer better than blue grass. Will not tramp out. Keeps soil from washing. Seed is scarce, hard to get, and very high; however requiring less than others, as 5 or 6 lbs. per acre is sufficient.

Price—1 lb. postpaid, 75c; your expense, 10 lbs. 60c per lb.

## Japan Clover

(Lespedeza Striata)

### The Crop That Is Becoming Very Popular

This Clover has literally thrust itself onto the American farmer. It was introduced into the South during the Civil War. Its remarkable value has been more appreciated during the past few years than ever before. Its great value lies in its ability to make astonishing yields on poor sour acid soils. Japan Clover is a soil builder. Makes excellent pasture on poor soils and lots of fine hay on better land. Cures easier than other clovers.

Japan Clover is an annual. Although it is sensitive to frost it may be sown about as early as other clovers because it is slower to germinate. It also grows slowly at first but more rapidly later. Can be sown with any spring grain as a nurse crop. When used as a pasture it reseeds itself readily. The Clover will be killed out by frost in the fall.

There are different ways of seeding. Sometimes a very light seeding is made of only 5 lbs. per acre. This will not produce a heavy stand but if allowed to go to seed will reseed itself and make a good stand the second year.

A stand suitable for pasture can be secured by sowing 12 to 15 lbs. per acre. For a good heavy hay crop 25 pounds or one bushel should be used. It is surprising how a light seeding will thicken into a heavy stand in one year. Although Japan Clover reseeds itself quite readily it is not in any way a pest as it yields readily to cultivation.

This was formerly sown only in the south where it was first introduced. It has gradually worked northward and is being extensively sown on the acid soils, especially in eastern states. Where Red Clover and Alsike flourish they probably would be more profitable to sow. If you have trouble with those crops Japan Clover is the crop you should be growing.

Price—Postpaid, 1 lb. 35c; 3 lbs. \$1.00.



# Kentucky Blue Grass for Ideal Pasture



We take pride and pleasure in offering our customers a grade of Blue Grass that cannot be excelled the world over. Blue Grass excels all other grasses for permanent pastures. Blue Grass pastures afford the richest and most nutritious feed the year around, except when under snow. A Blue Grass sod is one of the best things on a farm. It is also the most desirable lawn grass, especially when used in connection with white clover.

The value of Blue Grass cannot be overestimated. There is no other pasture grass that meets with as much favor. The fact that it is extremely hardy, never winter killing, withstanding the severest droughts and coming on early in the spring and growing late in the fall recommends it as the grass that every stock grower wants.

Blue Grass is easily started and more seed should be used. Anyone sowing grass for permanent pasture should sow not less than five pounds of Blue Grass seed with other grass seed, on every acre.

We, as a rule, secure our seed from fields that have been stripped in Iowa or Northwest Missouri, believing that we get a superior quality by obtaining seed from these sections. The quality of Blue Grass is a very important matter and we try to supply our trade with seed that will meet all requirements and prove entirely satisfactory.

We can furnish you the finest stock of Blue Grass seed we have ever offered. The fields stripped were well ripened and very heavy quality of the finest grade of seed. You will find our seed strictly fancy stock, being very heavy in weight and unusually bright in color. Our seed is not discolored but is sweet bright stock.

Buy your Blue Grass early this year. The sooner you buy, the less money you'll pay, so buy now while we have a big stock on hand and can make low prices.

**Price: Extra Fancy Recleaned Seed, postpaid, lb., 60c; 3 lbs., \$1.65. For lowest prices on large amounts see Pink Price List.**

## Hardy Kansas Common Alfalfa

### Non-irrigated Drouth Resisting

Kansas Hardy Non-irrigated Dry Land Drouth Resisting Common Variety Alfalfa can be successfully grown in every country where intelligent efforts are made. The value of a crop of Kansas Common Alfalfa means prosperity to the farmer. Alfalfa has long been considered one of the major crops in Kansas. There are numerous varieties of Alfalfa and more are being added each year by selection and introduction, but for the country as a whole, the KANSAS COMMON single root system Alfalfa has proven to be all that could be desired. This variety is so well adapted that no one need hesitate to plant it, or wish for anything better. Kansas Common Alfalfa Seed has proven itself to be second to none, particularly when the seed is produced from fields 15 to 20 years old. Only the hardiest plants would survive the age, and the seed from such would undoubtedly produce hardy plants. Kansas Common Alfalfa roots very deep unless prevented by rocks or dry soil. It will produce as much on a thin, dry soil as any other crop, but when there is a chance for it to reach permanent moisture through 10 to 30 feet of good soil, it will, once established, go on producing crops every 30 to 40 days during the growing season, with very little regard to climatic conditions. Kansas Common Alfalfa is the best crop known to man to furnish a tremendous amount of feed per acre and, at the same time help build up the land. Most crops use up soil fertility, and after you grow them a few years the soil is in poor condition. Kansas Common Alfalfa on the contrary builds up the land. The longer you grow it the better the land becomes. The growing of Kansas Common Alfalfa, and its proper handling and feeding on the farm, will do more to give permanent farm relief than any one thing we know of. It cuts down feeding cost, and means that you can produce good livestock cheaper. Kansas Common Alfalfa is adapted to your climatic conditions, it is the seed you should use in getting started or continuing to increase your acreage of this most valuable American crop. Buy your seed direct from the producing section, only one small profit, we can sell you seeds to suit your pocketbook, that are hardy, adapted, and dependable. Tell your neighbors about our amazing values in Kansas Common Variety Alfalfa. For more information on this wonderful legume crop, turn to page 13.



Only the hardiest plants would survive the age, and the seed from such would undoubtedly produce hardy plants. Kansas Common Alfalfa roots very deep unless prevented by rocks or dry soil. It will produce as much on a thin, dry soil as any other crop, but when there is a chance for it to reach permanent moisture through 10 to 30 feet of good soil, it will, once established, go on producing crops every 30 to 40 days during the growing season, with very little regard to climatic conditions. Kansas Common Alfalfa is the best crop known to man to furnish a tremendous amount of feed per acre and, at the same time help build up the land. Most crops use up soil fertility, and after you grow them a few years the soil is in poor condition. Kansas Common Alfalfa on the contrary builds up the land. The longer you grow it the better the land becomes. The growing of Kansas Common Alfalfa, and its proper handling and feeding on the farm, will do more to give permanent farm relief than any one thing we know of. It cuts down feeding cost, and means that you can produce good livestock cheaper. Kansas Common Alfalfa is adapted to your climatic conditions, it is the seed you should use in getting started or continuing to increase your acreage of this most valuable American crop. Buy your seed direct from the producing section, only one small profit, we can sell you seeds to suit your pocketbook, that are hardy, adapted, and dependable. Tell your neighbors about our amazing values in Kansas Common Variety Alfalfa. For more information on this wonderful legume crop, turn to page 13.

**Price: Postpaid, 1 lb., 35c; 3 lbs., \$1.00. See pink price list for prices on larger amounts.**



# Our Sweet Clover Is Priced Very Low

Grow Lots of This Big Money Maker.—Use It Instead of Red Clover

## VARIETIES

There are five varieties of Sweet Clover: Large Growing, White Blossom Biennial, Grundy County White Blossom, White Blossom Annual, Yellow Blossom Biennial, Yellow Blossom Annual. See page 9 for description of "New White Blossom Annual," known as Hubam Clover.

### WHITE BLOSSOM. (*Melilotus Alba*)

This is the variety most commonly found and the one in greatest demand. All we have said on the preceding pages in regard to Sweet Clover has reference to the White Blossom. It is the variety that is grown so extensively as a cultivated crop and the one so much in demand. The White Blossom Sweet Clover is destined to become the most important of the legumes and will add millions to the wealth of the farmers of this country.

The great value of the plant is now realized, as it excels Alfalfa as a pasture crop and will produce more tons of hay per acre than Alfalfa, the hay being fully equal in feed value. Its greatest value as a money crop is unquestionably in the seed crop. Sweet Clover will produce a heavy crop of hay the first year, the second year you can harvest a crop of hay and the second crop may be gathered for seed as it does not make a seed crop until the second year. When harvesting the crop for seed, a sufficient quantity will shatter so as to re-seed the ground without having to sow again. This should be remembered and we would recommend the harvesting of Sweet Clover for seed, as it is a heavy producer of seed. It is not unusual to harvest from 4 to 6 bushels of seed to the acre, yields of as high as 11 bushels have been reported. The seed is in great demand and it is not overestimated when we say you can produce from \$40 to \$60 worth of seed to the acre, besides having the first crop for hay and can sell the hay after threshing for about \$12.00 per ton.

When seeding, the quality of your seed should be the first consideration and we cannot emphasize this point too much. If you intend to grow a seed crop, you should buy only the best grades, while if you were using the crop for pasture or fertilizer some of the other grades might answer your requirements.

The unhulled seed is not scarified, therefore it is not recommended with a seeding of spring grain. A great deal of this unhulled is used for a real early seeding on a winter grain. Can be sown any time during winter or early spring. The action of the weather softens the seed and aids good germination when growing weather begins.

Price—Postpaid, Ex. Fancy Hulled W. B., lb. 30c; 5 lbs. \$1.25.

**UNHULLED WHITE BLOSSOM**—In some sections the threshermen are not prepared to remove the seed from the hull and it is harvested in the hull and sold this way. We have a large supply of the unhulled and are going to make very low prices on it. (30 lbs. to bu.)

Price—Postpaid, 1 lb. 25c; 5 lbs. \$1.00.

### GRUNDY COUNTY WHITE BLOSSOM BIENNIAL

This is a distinct type of White Sweet Clover. It does not grow as rank as the common. Average height is 3½ ft. It is two to three weeks earlier than the common. It makes a finer quality of hay because it is not so coarse. Ripens seed more evenly and there is not so much seed wasted in harvesting.

The seed is quite a bit smaller than the common. It takes less to sow an acre. Ten pounds is equal to fifteen of the common. We have sold this variety for two years and it is certainly growing in popularity. It requires several carloads to supply the demand. We have a fine stock of this variety at very low prices and can take good care of all orders. Our seed is all scarified and A No. 1 stock.

Price—Postpaid, 1 lb. 30c; 4 lbs. \$1.00.

### YELLOW BLOSSOM BIENNIAL (*Melilotus Officinalis*)

This variety is very similar to the White Blossom, but it does not grow quite so large and for this reason



many prefer it for hay and pasture. If you wish Sweet Clover for fertilizing, the White Blossom is generally considered superior, but if you wish to grow for hay we do not hesitate to recommend this variety to you.

If you want to see some extra fine Yellow Blossom Sweet Clover seed, ask us for sample and we will be glad to send it promptly, together with most attractive prices.

Price—Best Hulled, postpaid 1 lb. 30c; 5 lbs. \$1.25.

### YELLOW BLOSSOM ANNUAL (*Melilotus Indica*)

This is a variety of Sweet Clover, growing from 15 to 20 inches high, which is being used by many who wish something for quick results. It comes on earlier, makes a full crop the first season.

This variety is especially recommended where Sweet Clover grows very rank. A smaller type is often wanted under those conditions. In other sections biennial types are generally used. Seed is much cheaper than the biennial and there is a big call for the seed.

Sow with spring grain and plow under for fall fertilizing purposes in the early fall. It also inoculates land for Alfalfa. Our seed is fancy stock testing 99% pure.

Price—Postpaid 1 lb. 25c; 5 lbs. \$1.00.



# Our Hardy Northwestern and Mountain Grown Alfalfa

## Canadian Variegated

An Extra Hardy and Productive Variety

The Canadian Variegated gets its name from the fact that it is grown in Canada and the flowers are variegated. That means the flowers are of different colors, purple, yellow, blue, white and pink. This variety or variegation of colors is a true characteristic of a hardy variety. When such a variety is produced in a cold climate you can be positive that it will withstand extremely unfavorable conditions and severe cold as well as protracted drought.

Our supplies are limited this year but quality is good.

Our Canadian Variegated has withstood temperature of 30 degrees below zero and came through apparently untouched by such destructive freezing. The roots of our Canadian Variegated also run to the branching type just like the Grimm.

The yielding qualities of our Variegated are also deserving of mention. It has made an enviable record as a producer of large yields of fine hay. Thus you find extra hardiness and heavy yields combined in a variety that can be purchased at very reasonable figures.

## Cossack Alfalfa

Extra High Quality—Very Hardy Seed

The Cossack like the Grimm and Variegated is a super hardy variety of Alfalfa. The characteristics as to roots, blossoms, etc., are very much the same. We recommend this variety to all wishing an extra hardy strain. We do not believe however that it is in any way superior to the Grimm.

The quality of our Cossack Alfalfa leaves nothing to be desired. We guarantee it to please the most exacting buyer and we will save you money on it.

## Dakota No. 12

This is a very hardy type of Alfalfa. The fact that it is extra hardy has led some seedsmen to ask very high prices for it. Farmers who have paid exorbitant prices for it probably were not disappointed because it has unusual merit.

Various claims are made in regard to Dakota No. 12 Alfalfa. The general rule now is that any of the common Alfalfa that comes from Dakota fields which are 12 years or more old, is called Dakota No. 12. Anyone who gets seed from old established fields in the Dakotas is getting a real hardy strain. The climatic conditions are most severe. Burning winds and protracted drought in summer. Bitter cold winter. Only the strongest plants survive and our Dakota No. 12 comes from stock of that kind.

We are selling fine plump bright seed at prices that are astonishingly low. When you consider what some are asking for such seed you may think the difference is so great that there is possibly something wrong with our seed. That is just what these "long profit" dealers want you to believe. We ask you to forget about price. Just compare our seed for quality. It not only has the color and size and purity but it has that strong sturdy characteristic hardiness that makes Dakota No. 12 one of the most economical varieties of Alfalfa to use.

Get our samples. See our prices. Let us serve you. We always remember that our success depends on your satisfaction. Price—Postpaid, 1 lb. 40c; 3 lbs. \$1.10.

## Utah Grown Alfalfa Seed

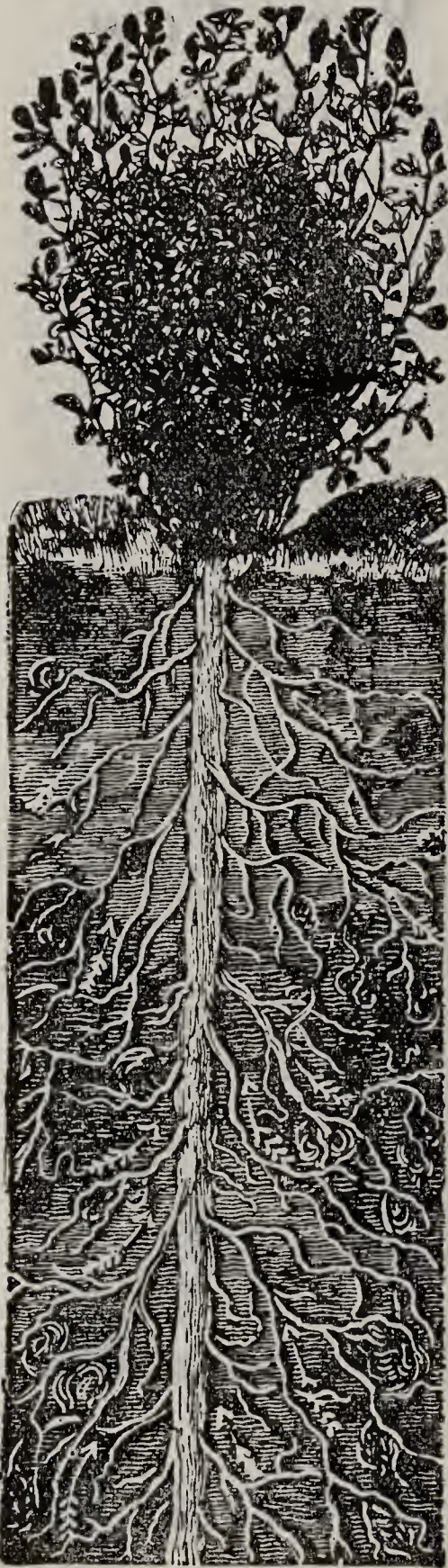
Utah has become an important producing state in furnishing Alfalfa Seed. Thousands of acres are left for seed each year in Milliard County and in the Uintah Basin. We offer you an extra hardy Utah grown Alfalfa seed of the highest quality and are pricing it at the lowest prices possible consistent with what others are asking. We know they cannot undersell us and furnish the same quality of seed. It will save you money to buy from us now. Our stocks will never be more complete and our prices surely will be higher when we have to replace our supplies later in the season. Be sure to figure with us on your Alfalfa seed requirements. We specialize in Alfalfa varieties of better grades.

1 lb. postpaid, Crown Brand, 40c; 3 lbs. \$1.10.

## Montana Grown Alfalfa Seed

Many of our customers are asking for Montana Grown Alfalfa Seed. Weather conditions and the severe winters in this territory are quite favorable for producing Alfalfa of a superior hardiness. We are prepared to furnish our customers with the finest grade of Montana grown Alfalfa Seed, so you will get the very best quality that money will buy if you send to us for your seed. Our seed is the best, plump, uniform and fine colored. However, we cannot say that the Montana grown seed will grow any better or give any better results than our Hardy Non-Irrigated Kansas Grown Seed. Our prices on Alfalfa Seeds are unusually low. Compare our seeds and prices with others. We will save you money if given the opportunity.

Prices—1 lb. postpaid, Crown Brand, 40c; 3 lbs. \$1.10.





# Our Hardy Non-Irrigated KANSAS COMMON ALFALFA SEED

Superior to All Plants for Hay and Pasture



**This shows how Kansas Common Variety Alfalfa piles up, making a big paying crop**

We know of no crop that is of more interest or value to the American farmer of today than Alfalfa. We are going to give you as many facts as space will permit showing many advantages of Kansas Common Variety Alfalfa, and want each reader of this page to apply this information to himself and see just how much may be gained by starting now to grow it. There was never a better time to start growing Alfalfa than today.

Seed is much lower in price, hay is high, land needs fertilizing, farmers want a quick crop, and something that will bring large returns on the investment. Kansas Common Variety Alfalfa meets all of these requirements and will even do more. You will be surprised at what Kansas Common Variety Alfalfa will do for you if you are not already familiar with this wonderful crop-producing, soil-improving, money-making plant. The individual growers of Kansas Common Variety Alfalfa are the best testimony we can offer as to its value. Did you ever see a prosperous farmer once start growing Kansas Common Variety Alfalfa, who quit it. Our experience has been that a few acres on a farm leads to a larger acreage.

There is no need of any farmer being short of hay, if he has a good field of Kansas Common Variety Alfalfa. It will produce three crops the driest kind of a year, and when conditions are more favorable it will make four crops. Any plant that will do this merits a place on each and every farm.

It is not alone in hay that Kansas Common Variety Alfalfa excels, but as a pasture it has great possibilities. All stock are very fond of Alfalfa pasture, but we believe it to be the ideal pasture for hogs. When hogs are turned on an Alfalfa pasture you can stop feeding your high priced corn, for they will make a good growth on Alfalfa alone, but of course we do not recommend growing hogs in this way, as you want to use a little corn and other feeds along with your pasture in order to get the maximum growth on your hogs in the least possible time.

The farmer who did not have Alfalfa this past year was extremely unfortunate. Every farmer who had an Alfalfa field has hay of the finest quality, having obtained a good

yield. We have the finest supply of high grade seed that we have ever had and can furnish you the highest quality at real bargain prices.

## WHEN AND HOW TO SOW ALFALFA

There was never a more opportune time to start growing Alfalfa than now. Alfalfa seed this year is of excellent quality due to favorable weather conditions and seed is very reasonable in price. It is far superior to clover as a fertilizer and there is not nearly the risk of getting a stand, as statistics prove. Fifteen pounds of our best Alfalfa will make an excellent stand and spring is the time to sow. Our customers are sowing Alfalfa in the spring with their small grain in the same manner as they do clover, and getting excellent stands and results.

Alfalfa is an easy crop to grow. No one ought to fail in growing it. No one need fail. It has been grown successfully in every state in the union and in some parts of nearly every county in every state.

It strongly resembles clover in its habits of growth and in its feeding value. It is very rich in protein and as nutritious as the best mill feeds for dairy cows. Horses, cattle and hogs fatten on Alfalfa pasture or hay. Alfalfa and corn ensilage form an ideal balanced ration for all farm animals.

Alfalfa will grow on soils having a good under-drainage, or where the subsoil is porous. A good crop of Alfalfa is most easily established when following such crops as soja beans, cow peas or clover. But it will do very well when following all crops except kaffir corn or cane. A crop of Crimson or Sweet Clover plowed under will put soil in an ideal condition for Alfalfa.

## OUR QUALITY HARD TO SURPASS

We realize that our prices as a rule are considerably lower than others are asking for the same grade of seed.

If you have any hesitancy in ordering from price list, before seeing samples, do not fail to write at once and get our samples and prices on the amount you wish.

**Prices: 1 lb., postpaid. Crown Brand, 35c; 3 lbs., \$1.00. See pink price list for prices on larger amounts.**



# MIXED GRASS SEED

We offer you mixed seeds for much less money than we can sell the same grade of seed when separated. We only sell the lots of mixed seed that contain a good per cent of clover. When buying this seed we buy it on a Timothy basis. It often contains 20% Clovers. Our prices are low and you should order this mixed seed freely. Sold on a basis of 45 pounds to the bushel, costs very little more to sow than Timothy alone, and is far superior.

## MIXTURE No. 1—GREATEST OF ALL MIXTURES



Composed of half Clovers, Alsike, Red Clover, Sweet Clovers, Alfalfa, and balance Timothy. We have given special study to our Mixture No. 1 and can assure you we have one of the richest and most desirable of all. It inoculates your land for either alfalfa or sweet clover while growing the heaviest kind of hay crop and if used for pasture, it cannot be excelled. Don't fail to consider the use of this mixture if you wish to seed a field for pasture or hay or wish to grow Alfalfa afterwards. Just the kind of combination our customers have been demanding. This is one of the most popular mixtures we have ever offered as it contains a larger percentage of legumes and we are in a position to make the price absolutely right. Our wonderful trade on this class of seed is largely due to our low prices

and extra values we offer. This mixture is an excellent bargain.

**Price—No. 1 Grade, postpaid, 1 lb. 25c; 5 lbs. \$1.00.**

### Timothy and Alsike Clover

Greatest hay and pasture combination for spring seeding. Most wonderful and meritorious grass crop ever discovered. A mixture of Timothy and Alsike for moist, low lands, or for any land that will grow Timothy and Clover. This mixed seed has made us many a pleased customer.

**Price No. 1 Grade, postpaid, 1 lb. 25c; 5 lbs. \$1.00.**

### Timothy and Red Clover

Sow Timothy and Red Clover mixed and you will get better results for either hay or pasture by doing so. The Timothy will thicken up the stand and make a much heavier crop of hay than Red Clover alone. Mixture contains a good percentage of Clover and is mixed for general seeding.

**Price No. 1 Grade, postpaid, 25c lb.; 5 lbs. \$1.00.**

### Permanent Pastures or Meadows

To meet the demand for a grass seed which will produce a meadow or pasture that will furnish the greatest amount of forage and at the same time produce a crop that will make a continuous growth throughout the season and meet various conditions of soil, climate, etc., we are offering you our special pasture mixtures, which are the result of our experience in handling same. Experience has proven conclusively that a mixture of grass makes a better permanent pasture than the growing of one crop exclusively. Sow from 15 to 20 pounds to the acre. Prices F. O. B. Salina, Bags Free:

**FOR MEADOWS**—This mixture has been formulated with the idea in view of producing the greatest tonnage of palatable, nutritious, high-grade hay, selected to produce the most vigorous growths in the shortest time and produce hay of superior quality. Please specify the kind of ground you want to seed.

**FOR PASTURES**—Selected with the idea in view of having a succession of grasses that

will make a permanent pasture and keep improving each year. These grasses will furnish pasture for all kinds of stock from earliest spring through the hot summer until late fall. Name kind of ground you want seeded.

Above mixtures are made from seeds of the following well known varieties: Alfalfa, Blue Grass, Timothy, Red Clover, Alsike, Red Top, Orchard Grass, Meadow Fescue, English and Italian Rye Grass and Bromis Inermis.

**Price No. 1 Grade, postpaid, 1 lb. 25c; 5 lbs. \$1.00.**

### Timothy and Sweet Clover

The combination of Timothy and Sweet Clover increases the yields. The two fill up the growth without leaving empty spaces. It makes a solid mass of green. Timothy alone does not fill the ground. Neither does Sweet Clover, unless it is sown very heavy. Grow together for big results.

**Price No. 1 Grade, postpaid, 1 lb. 25c; 5 lbs. \$1.00.**

### Timothy, Alsike and Red Clover

This mixture has proven unusually popular with a large number of our customers as many of them wished something with these mixtures. Our prices were never more popular than now. You should order a few bushels of this mixture and reduce your seeding costs. This is a proven mixture.

**Price No. 1 Grade, postpaid, 25c lb.; 5 lbs. \$1.00.**

You should rotate your crops and increase the fertility of your soil and consequently increase your production as well as the value of your farm land. The best farmers are our best customers, as an up-to-date farmer must use lots of seed, especially legume crops such as Clovers, Alfalfa, Hubam, Sweet Clover, Soy Beans, Vetch, Cow Peas, etc. These are the crops that rebuild your land and we specialize along this line.



# Timothy—Our Specialty

We specialize in timothy, and have built up a tremendous mail order trade. Our customers are located all over the United States and Canada. We receive orders from the largest buyers as well as the smallest. No order is too large or too small for us to handle. In buying a large percentage of our seed direct from the producing section instead of the wholesale markets, we made a decided saving.

These facts are well worth your consideration, for when you comprehend the amount of seed handled, consider location and country labor, our facilities for cleaning and handling, you can readily understand why our prices run as a rule lower than some of our competitors not so favorably located.

## FACTS CONCERNING THE TIMOTHY CROP

We have completed our contracts on timothy and secured a very large stock of exceptionally fine new crop timothy at very favorable prices. We are believers in a higher market and can congratulate ourselves on our purchases. Our experience has been that our early purchases direct from the field usually prove profitable and the most satisfactory manner of securing our stock.

Since contracting our seed the market price on timothy has advanced, and as soon as the spring demand develops we would not be surprised to see decidedly higher prices. We have our seed bought to advantage and are on the ground floor when it comes to selling timothy seed.

The timothy crop was not a large one, but seed moved from the country at very low prices. With an increased demand as we expect we would not be surprised to see some big advances in the market. Our advice to those who need seed, would be to buy early and have your seed ready for sowing. Prices, as you will note from our price list, are much lower and a much larger acreage should be seeded.



## TESTED SEED—QUALITY GUARANTEED

Our seed this year is of extra fine quality, very pure, carefully cleaned and the kind of stock that pleases the buyer. Every lot, before being offered for sale, is tested both for purity and germination and if it does not come up fully to our high standard it is not offered in our regular grades. If the seed does not please and satisfy in every particular, it can be returned and money plus freight paid, refunded. We know of no seed house giving more information in regard to what is being shipped or more protection on what you buy. We have confidence in you and hope you have in us. When we trade with you, we want you to be satisfied. Our aim is to furnish satisfactory seed at money saving prices. If we can save you any money on seed, we want to do so. Give us the opportunity to serve you and we will make good. Always get our samples and prices before buying. See Price List for prices.



Harvesting a Crop of Bromus Inermis Hay

## BROMUS INERMIS

**Our Prices This Year Unusually Low. There Never Was a Better Time to Start with Bromus**

### SPLENDID FOR HAY OR PASTURE

It is unusual and most fortunate that Bromus should be so reasonably priced this year. Here is a crop of greater value than most grasses yet it is lower in price.

Bromus is valuable because it yields heavily. It is very palatable and all kinds of stock are fond of it. It has a higher feeding value than most grasses. First grown in the West, it is becoming better known in the Eastern and Southern states. It is adapted to North, South, East and West.

This great and wonderful grass will stand the test and wherever grown, it is meeting with approval. It has proven wonderfully successful throughout the West and Northwest and has added great wealth to many farmers who have of late years found out its great value as a Pasture Crop. Bromus flourishes on the plains and does not require irrigation to get results. Large stock raisers in the west can tell you something about the value of Bromus as a pasture crop. Its value is not limited to pasture use alone. It makes a splendid quality of hay and yields unusually well.

### ONE HIGH IN AUTHORITY ON BROMUS WRITES

It is drought defying, frost resisting. Yields enormous crops of splendid hay. It adapts itself to every condition of soil and climate and to any use to which grass may be put, equalling in quality and rivalling in yield almost any other grass. The roots push through the soil and form fresh plants on every side. It starts from two to three weeks earlier in the spring than native grass and it keeps green in the Autumn longer than any of the useful grasses grown in the West. No amount of cold seems to be able to kill it. It bears up well under hot summer suns. It will grow under conditions that are very dry and it can also stand being covered with water, not deep of course, for one or two weeks in the early spring. It is an abundant producer of leaves and is much relished as pasture and hay. To the country west of the Missouri River, it is probably the greatest boon since buffalo grass began to grow.

**Price—Postpaid, 1 lb. 40c; 3 lbs. \$1.00.**

See Price List for prices on larger amounts.



## Meadow Fescue or English Blue Grass

Next to Kentucky, or southwestern Iowa Blue Grass. It is becoming very popular and its growth is increasing each year. It is especially adapted for a permanent pasture. It is one of the standard English grasses, growing from two to three feet high, but not in tufts like Orchard Grass. It is the most nutritious of all Grasses. It is a most persistent grower, resists drought and cold winters, makes good hay and cattle thrive on it, whether in a green or dry state.

Succeeds even on poor soil and as the roots penetrate deeply from 12 to 15 inches, it takes extremely dry weather to affect it. It will stand more freezing than any other variety and yields an abundant crop of seeds.

It will succeed on any good corn land but thrives best on rich heavy soil; even gumbo land will make a good crop. Sowing may be done in the spring or fall and is usually done with a wheat drill. The ground should be well prepared by plowing sometimes before sowing, and allowed to settle. The seed should be put as near the surface as possible. One bushel (24 lbs.) of seed is required to sow an acre.

**Price—Postpaid, 1 lb. 35c; 3 lbs. \$1.00.**

## Red Top or Herd Grass

In many sections Red Top is the leading grass, and prized very highly. The southern half of Illinois is the home of Red Top and hundreds of cars of seed are shipped out in supplying the world with this excellent grass. Our location enables us to secure our Red Top seed to good advantage and we can offer you the highest quality of seed at a very low figure.

The value of Red Top as a feed is not appreciated by a great many who have never given it a trial. It is one of the very best grasses for pasture, springing up very early and quickly in the spring and continuing its sturdy growth throughout the summer and autumn, even resisting the severest droughts. It has the widest range of any grass in America as a general utility grass.

It is used in practically all Permanent Pasture Mixtures as it will stand close cropping better than any other grass and the trampling of stock does not injure it. It also withstands the most severe droughts and will remain green all winter in the most severe weather. It also produces a fine quality of hay, which contains more protein than Timothy and is relished by all stock. It is often sown with Blue Grass, Timothy or Clover.

We handle two grades of Red Top, either of which will give good results. The Extra Fancy Solid Recleaned is the grade we recommend. We can save you money on your Red Top seed and want to receive your order.

**Price—Postpaid, Best Fancy Seed, 1 lb. 55c; 3 lbs. \$1.50.** See Price List for quantity prices.



**Red Top**



**Italian Rye Grass**

## Orchard Grass

An exceptionally valuable grass for pasture or hay land and on account of its earliness especially valuable for a permanent pasture. It furnishes green grass very early in the spring and until late in the fall. When closely cropped it grows up very quickly and is ready for grazing in ten or twelve days. When grown for hay, more than one crop can be obtained in one season and when only one crop is cut the aftergrowth is very heavy and gives splendid and rich pasture till late in the fall. The roots extending to a great depth

it will stand drought better than most other grasses and is very hardy. It grows in tufts and is therefore best sown with other grasses. Grows on all kinds of land but does best on deep, rich sandy loam or clay soils. It flowers in June about the same time as Red Clover and is often grown with it.

**Price—Postpaid, 1 lb. 35c; 3 lbs. \$1.00.**

## English Rye Grass

A very nutritious, rapid growing variety, used for meadows, pastures and lawns. It makes a rich green sod and a good quality of hay. Seems to be especially adapted for pasture, as it bears close cropping and is of a strong successive aftergrowth. Grows well on any land, but does best on good corn land.

**Price—Postpaid, 1 lb. 35c; 3 lbs. 90c.**

## Italian Rye Grass

Distinct from the preceding, being larger and stronger in growth. It is well adapted for pasturage on account of its early spring growth and quick successive aftergrowths. Very valuable to sow as a catch crop in fields where the clover has died or winter killed. Try Crimson Clover with it for this purpose.

**Price—Postpaid, 1 lb. 35c; 3 lbs. 90c.**

## Bermuda Grass

The great lawn and pasture grass of the South. It is a persistent grower and will spread, forming a thick mat-like turf on the poorest, sandiest soil. It is also used for the purpose of holding embankments, creek banks and places exposed to wash during heavy rains. Not hardy in the extreme North.

**Price—1 lb. 60c, postpaid; 3 lbs. \$1.65; 5 lbs. \$3.00.**



# Kanota and Red Texas Seed Oats



the best seed we ever sold.

Of our new varieties, Kanota and Red Texas are the leaders. We have sold many thousands of bushels and the result has certainly been marvelous and we do not believe there is a customer of all of this vast amount of seed oats but has had large returns. The past season shows that the great interest and the improved seed oats purchased, increased the yield whenever the improved seed was sown.

Order our bright Northern Grown Seed for big yields and increased profits. Our prices are reasonable and you should get new seed this year. Every dollar invested in our seed oats will bring you big returns.

## OUR SEED OATS EXTRA QUALITY

We have made a special effort to get together the finest lot of seed oats that we have ever had and are very proud indeed of the quality of our seed.

The past season oats were of very poor quality in some sections and unfit for seed purposes. We only buy the cream of the crop from sections producing the best quality, so we can offer you a much superior quality than you can hope to find in your neighborhood. This is the year to change your seed and you will find buying our superior seed oats will make you big money as it is the increase in yield that makes the profit.

When it is possible to make an increase in your yield, it is folly not to do so. You want to raise the biggest crop in your neighborhood, so get proper seed if you want to succeed.

**Postpaid, 1 lb. 20c.** See Pink Price List for prices on larger amounts.

The oat crop is a very important crop and too much attention cannot be given to it. The trouble has been, that not enough attention has been given to proper seed, for the oats have degenerated. It is now necessary to get new seed and build up. No one can expect to raise a good crop by sowing the same variety of seed they have sown for the past 10 years. The crop is bound to deteriorate. The past few years, more attention

has been paid to the seed proposition and the results have been marvelous. The old varieties do not begin to yield what the heavy new varieties do and we cannot be too enthusiastic about your securing new seed oats this spring. The crop is assured if you sow our superior seed oats. Our seed is bright, thoroughly cleaned, and is

# Speltz or Emmer

**A Wonderful New Grain. The Most Valuable Grain Grown**

Speltz has been grown in the United States in a large way for several years and each succeeding season not only emphasizes its value but sees its production increasing to an enormous extent. It is found to be adapted to a wide range of soil and climate, to resist extreme weather, to be of excellent feeding value and to yield in many sections much more heavily than oats or barley. Its increased popularity has placed it among the leading and standard cereal crops of the world. Those who have not grown Speltz should not let another season go by without giving it a place, and an important place, too, on the farm.

What is Speltz? is a question often asked.

Speltz is a cereal, or grain, to sow and resembles barley in appearance, the kernel when hulled resembling rye.

It has many good points to consider. It is as good for all stock as any other grain. It is good for hay and it fattens in the green state.

It will grow in any section where any other grain crop can be raised profitably.

It is the greatest drought resister on earth and is very popular all over the arid regions of the west and is only affected by excessive rains.

Speltz matures earlier than oats or spring wheat.

It frequently yields 10 to 20 bushels per acre more than oats.

It is valuable for feed and is a splendid food for cattle, hogs, horses, calves and colts. They all like it and thrive on it.

## CULTURE OF SPELTZ

The culture of Speltz is simple. It is as easy to grow as wheat, barley or oats. It can be sown on the same kind of ground that you would plant barley, wheat or oats. It will stand very rich soil or will do well on thin land. Sow broadcast, or use a press drill at the rate of 1½ to 2 bushels per acre, 40 lbs. to the bushel.

Sow as early as possible. You can sow as early as the ground is in condition. Frost will not hurt it, as it is very hardy in that respect. Cut when grain is past the middle milk stage, when it will make splendid grain and a fine lot of very valuable straw hay of an excellent quality. Thresh it like wheat, but not so closely, leave the outside hull on.

## BEST NORTHERN GROWN SEED

The quality of the seed we offer is the very best Speltz we could secure in the North. It has been carefully recleaned and is very heavy, plump seed and should give you the best of satisfaction.

**Price—Postpaid, 1 lb. 20c.** See Pink Price List for prices.



**Northern Grown Speltz**



## Superior Seed Barley

### Champion Beardless Barley

This barley is as easily grown and handled as either oats or wheat. It is an improved beardless variety, of a distinct six rowed type.

It is the earliest barley in existence. It matures in less time than any other barley that we know of and gets out of the way of other harvest. One year we had our crop of 25 acres all in stack in splendid condition by the 4th of July, as we harvested it in June. It helps out wonderfully when you want to get quick feed for your stock. There is no finer barley grown than our Champion Beardless, nor any barley that has such a high feeding value. It is an absolute fact that your cattle, sheep, horses and hogs will thrive and fatten on it and it is a splendid grain for a change of feed in connection with a corn diet.

You will do well to grow barley this year as it is a good quick money crop. We probably will run short on account of having such low prices, so order your seed barley early, as when our stock is exhausted we will be unable to secure any more to offer to advantage.

**Price**—See Pink Price List for prices.

### Success Beardless Barley

This is a six rowed variety, having been grown for a good many years and has proven very popular with the trade. It is a vigorous grower, producing strong, short straw, and heavy well filled heads.

**Price**—See Pink Price List for prices.

### Improved Spring Barley

The demand for Spring seed barley increases each year. Farmers have been thoroughly convinced as to its valuable feeding and yielding qualities. It is early, in this section being ready for harvest in July. It stands up better than any other kind of grain. Its muscle and bone producing qualities make it a good feed. It is a wonderful nurse crop for grass. Barley culture is similar to that of spring wheat or oats. It is a sure crop, we do not know of a surer crop in all the different kinds of grain than barley. It stands up better and scarcely ever lodges, even on the richest grain land. It stands hot, dry weather, the damp foggy mornings that are so disastrous in rusting oats, but will just keep growing and developing until ready to cut and make a splendid yield. Don't fail to raise barley this year.

**Price**—See Pink Price List for Prices.



Improved Spring Rye

## Improved Spring Rye

This grand new variety of rye is very much in demand. We have always had much call for spring rye, but were never able to secure satisfactory stock until last year. This year we are fortunate in being able to furnish the very best seed, as we bought a lot of the finest seed rye we have ever seen and know our stock to be the true, genuine spring rye that is so generally demanded.

The advantages of spring rye are many, the most important being its heavy yielding qualities as well as the fact that it can be sown as a catch crop late in the season very successfully. It has been known to be sowed as late as May 1st and still make a good crop. However, for best results it should be seeded early in the spring, as it will stand earlier sowing than spring wheat. Many of the best customers use it as a pasture crop. Nothing superior for early pasture, and especially recommended for hog pasture. Any one who is short of pasture will do well to sow five or ten acres of spring rye, sowing some vetch and Canada peas with it, for it can be pastured considerably and later a crop of hay cut, if stock is taken off in time. If you wish to grow spring rye as a grain crop, you can expect a yield of from 40 to 60 bushels to the acre, and as you know, rye makes the very best of feed. If however, there is a shortage of wheat it is best to use the crop for flour, as rye flour is in demand and makes splendid bread.

Our seed is new stock, thoroughly re-cleaned plump berry and as fine stock as you can wish for. It is a pleasure to offer this quality of seed to our trade. Don't delay ordering, as late in the season our supply might run short. Be sure to place your order promptly and have the seed on hand ready to sow.

**Price**—See Pink Price List for Prices.

## Improved Spring Wheat

This variety is a distinct new spring wheat of special merit and should be grown in preference to all other varieties. We are very anxious to have all of our customers get this seed this season for we have tested out this variety and know it will prove a money maker for you. Our seed wheat is grown from carefully selected stock, cleaned and put over our perfect system of grading mills, which insures uniformity, highest germinating power and the best quality, guaranteed to be all new corn, and tested as to vitality. This is the only variety spring wheat we have, it has proven a leader, the best money maker for the grower. We want to supply you with the best seed and believe we can do this if you will only order this new improved variety while our stock is available.

**Price**—See Pink Price List for Prices.



# New Sudan Grass



**Sudan Grass**

Don't fail to grow Sudan this year. Seed is of fine quality and our prices are most favorable for the buyer. Sudan is a wonderful crop, easy to grow, expense of seeding low. We want to urge our customers to grow Sudan and a good liberal acreage this year when clover is so high.

There is no other forage crop that will begin to compare with it when it comes to actual worth and value. Many of our customers have been growing cane and millet for hay and both make excellent feed, but do not begin to compare with Sudan Grass. The ones who are growing Sudan, are the greatest boosters for the crop. Sudan excels all other forage crops for quick and successive production as it usually makes three crops a year of the very highest feeding value.

Sudan Grass may be planted in cultivated rows, in close drills or broadcast. Plant in cultivated rows, 30 to 36 inches apart. Only 3 or 4 pounds of seed to the acre will be required. An ordinary corn planter with the sorghum plate or a specially prepared plate may be used for the row planting. The most popular method and the best results will be had by planting with a drill or broadcast at the rate of 25 to 30 lbs. per acre.

## A SILAGE CROP

Sudan has become so plentiful that it is being grown extensively for silage. It is the universal opinion of those who have grown it that it is destined to make one of the very best ensilage crops known. It will be even better when grown with soy beans or cow peas, as this combination would make an enormous yield, very palatable and well balanced.

**Price—Postpaid, 1 lb. 20c; 6 lbs. \$1.00.**

See Pink Price List for lowest prices on large amounts.

# VETCH

King of Soil Builders



## Wonderful Sand or Hairy Vetch

**As a Pasture Plant for Late Fall and Early Spring or as a Fertilizer It Is Without an Equal**

Brother farmer, it must be a good thing or the highest authority—the United States Department of Agriculture—would not recommend it so highly as a fertilizer and as a hay crop. One farmer reports 15 tons per acre, others report wonderful yields. It is much superior to rye as winter pasture, staying green all winter and starting out ahead of all other plants in the spring.

## FEEDING VALUE OF HAIRY VETCH

It is generally conceded that Hairy Vetch is our richest legume. It makes hay of fine, digestible quality, being the very best food, and provides excellent pasturage, since the feeding value depends upon the amount of digestible nutriment in the plant.

## QUALITY OF SEED

We want to urge you to be careful about the quality of seed purchased. We fear much so-called Hairy Vetch is not true to name, containing a large per cent of Spring or Common Vetch. This seed is lower in price and we cannot offer you our best fancy Vetch which is very pure, in competition with this seed. We are, however, making our prices extremely low on our Fancy Grade, and will expect a big increase in business on account of our very low prices and high quality we are quoting.

**Price—Best Fancy Hairy Vetch, postpaid 1 lb. 30c; 5 lbs. \$1.35.**

See Pink Price List for prices. (50 lbs. to bu.)

## SPRING VETCH

A very productive and highly nutritious plant. Excellent to cut green for soiling or made into hay; splendid feed for cattle and stock of all kind.

Spring Vetch should be only sown in the spring as it is not hardy so as to permit fall sowing except in the extreme south.

Our prices are most reasonable and we would urge you to send us your order. **Price—Postpaid 1 lb. 25c; 5 lbs. 85c.**

For lowest prices on large amounts see Pink Price List.



# Sorghum Cane

## THE GREATEST FORAGE PLANT

**Nothing Superior for Late Planting or for a Big Hay Crop of High Feeding Value**

Cane is recognized as the leader of forage plants. Growing cane for ensilage has become an established part of American Agriculture. The acreage sown to cane is greatly on the increase. A farmer who has sown cane and harvested the wonderful hay crop cannot see how he can be without it. The yield is so much greater that a few acres of cane is equal to a big field of timothy. If you have timothy hay sell it and sow cane for your feed and you will be many dollars ahead. Cane is far superior as a feed; stock of all kinds relish cane hay and fatten on it.

We deal very extensively in cane as we are favorably located for handling it and are in position to save our customers money on this crop. Anyone contemplating sowing a forage crop of any kind should consider the use of cane and write us for special prices on the amount required. We have a big supply of cane seed this year and can make bargain prices. We want your order for cane seed, and believe we can save you money.

We would recommend mixing cane when filling a silo; for on account of juice it sometimes sours. When properly handled, however, it cannot be surpassed as a feed. They may be sown anywhere and on any kind of land, from Manitoba to Mexico, or from Maine to California.

### KIND TO SOW

**Sumac-or-Red-Top** is considered the best variety and this is the one we recommend. It is more generally grown and is early, making a splendid growth regardless of the time of seeding.

**Sourless Orange** is our second choice and we have a splendid stock of it for those who prefer same to the Amber.

See Pink Price List for lowest prices on large amounts.

## Cane for Molasses

The difference between cane for molasses and fodder is the purity. To raise a crop of cane that will turn out a big lot of molasses, it is essential that you use only pure seed, not mixed with broom corn or other non-saccharine crops. We are very particular about the stock we use on orders where the customer specifies he wishes same for molasses purposes.



**Early Amber Cane**

**Early Amber**—This variety is more generally used than any other and is always in demand.

**Price**—Postpaid, 1 lb. 25c. Your expense, 10 lbs. 10c. lb.

**Early Orange** is another standard variety and is used very extensively and some prefer it to all other varieties.

**Price**—Postpaid, 1 lb. 25c. Your expense, 10 lbs. 10c. lb.

**Honey Drip Sorghum**—This is a new variety of cane, making the finest kind of molasses, light in color and pleasant to the taste; as the sorghum is mild in flavor and very clear.

**Price**—Postpaid, 1 lb. 30c; 5 lbs. \$1.00. Your expense, 5 lbs. 75c; 10 lbs. or more, \$1.00; 50 lbs. or more, 9c per lb. Bags free.

# Choice Millet Seed

## Our Specialty



Millets are especially adapted to regions of light rainfall and hot weather. They are used practically for forage, being very valuable where timothy is an uncertain crop. The hay is fed most satisfactorily to dairy cows and sheep. In feeding value it ranks above timothy.

### NEW WHITE WONDER

The demand for this variety of Millet has become general as it has proven the most popular variety lately introduced. It is an extra heavy yielder, produces hay of good quality. The most striking feature of White Wonder Millet is the size of the heads, which will run from 8 up to 18 inches, and a single head will have as many as 15,000 seeds. The yield of White Wonder is extremely heavy.

**Price**—Postpaid, 1 lb. 20c; 5 lbs. 75c. See Pink Price List for prices on larger amounts.

### GERMAN OR GOLDEN MILLET

#### The Most Popular Because It Is Best

This variety is in our opinion, one of the very best of millets. There is always a ready market for German millet seed. It will pay you to get the best seed. This variety will yield from 40 to 50 bushels of seed besides a heavy crop of hay. But if fine hay is wanted it is best to cut it just as the heads are beginning to form and before it is in bloom. On good soil it grows to the height of from 4 to 5 feet and ought to make a yield of from 4 to 5 tons of splendid hay per acre. Sow from  $\frac{3}{4}$  to 1 bu. per acre. Can be sown as late as July 20th in this latitude.

**Price**—1 lb. 25c, postpaid. See Pink price List for prices.

### EARLY RUSSIAN OR SIBERIAN MILLET

A new variety imported from Russia. Not so long as the German, but about two or three weeks earlier. Because of its quality and earliness it is sometimes preferred to the German. The stalk grows from 2 to 4 feet high, and it is not uncommon to cut 4 tons of hay off an acre. The seeds are of a reddish brown color. Use 35 to 50 lbs. per acre.

**Price**—1 lb. postpaid, 25c. See Pink Price List for prices.

### HOG OR BROOM CORN MILLET

It yields enormously of seed, even 60 to 70 bushels to the acre and this seed is very advantageously used for fattening swine and other stock and is of great value for this purpose in sections where corn cannot be safely or cheaply grown. Seed also is very fine for poultry and young chicks.

For lowest prices on large amounts see Pink Price List.



# DWARF ESSEX RAPE

The Best Green Forage Plant for Sheep and Hogs That Is Known



Rape is considered one of the most valuable forage crops to plant in connection with other crops. The demand for rape is increasing rapidly and the higher the price of land the more rape will be used. Many farmers should grow rape with their corn, as it costs but little to sow, and much green feed can be secured in this way. Thousands of farmers are doing this very thing and every year the demand for seed greatly increases.

Some seedsmen offer it under a different name, claiming theirs to be superior, and ask a higher price. **Any good rape seed is Dwarf Essex, nothing more or less.** It is an annual, resembling in leaf and stalk, the rutabaga excepting the leaves and stalk are more numerous and taller.

Good rich land will yield 12 ton of green food per acre and its nutritive value is nearly twice that of clover. It will fatten both sheep and hogs and increase the flow of milk in milch cows.

It has the advantage over other pastures in its ability to stay green longer, as it withstands frost and cold. The crop will be ready in 6 or 8 weeks after seeding. Will do well on soils adapted to corn, wheat, turnips or cabbage.

**How to Sow.** The best way to sow rape in the corn belt is to sow it in your corn just before the last cultivation, in this manner the seed is put in the ground well, and we find it to be the popular way of sowing with the farmers.

Others prefer to sow with small grain in the spring. Rape will make quick growth after grain is harvested. Others sow with oats, peas or clover for summer pasture and insure a good stand of clover. Sow 4 to 5 lbs. per acre.

We have made our price on rape seed very low. It will only cost about 50c per acre to sow the best seed, and we know of no better way to produce so much green feed at so small a cost. Don't fail to start raising rape.

**Price—1 lb. postpaid, 20c; 6 lbs. \$1.00.** For prices on large amounts see Pink Price List.

We have a big stock of rape and hope to be able to take the best of care of all of our customers. If you write us, you are sure of getting the latest and lowest price the market will permit. It is our sincere belief that we can save you money on rape seed.

## IMPROVED PORK PRODUCER

### A Quick Growing Hog Pasture Mixture

The quicker and cheaper you can grow pork the more money you can make. The size of your hogs depends to a great extent on what you feed them. They need lots of protein while they are young. That builds up healthy animals with big frames. Then you've got something you can put fat on at a low cost.

A pasture that contains plenty of plants that are rich in protein is a big asset to every hog grower. It cuts down on grain consumption and reduces pork costs materially. In making up our Pork Producer we have combined crops that would produce a maximum yield over the longest possible season. It is a mixture of annuals and must be sown every year. The following crops are used in our mixture: Vetch, Rape, Cane, Barley, Speltz, Sudan, Japanese Millet, Oats, Rye, Canadian Field Peas, etc.

Farmers have found this combination of forage plants just the thing for the economical feeding of hogs through the summer months. Fence off from 2 to 10 acres to sow with this mixture. You will find it a profitable investment. Although you may have other pasture you may need this through the hot dry summer months. Plow your ground, harrow, sow your seed and harrow thoroughly. You will need from 30 to 40 lbs. of seed for an acre.

**Price—By freight your expense: 10 lbs. 50c; 25 lbs. \$1.15; 50 lbs. \$2.00; 100 lbs. \$3.75.**

## CHICKEN PASTURE MIXTURE

This will fill a long felt want. Many poultry raisers have been asking for something that will make an abundance of good green feed, as they do not have permanent pasture. Many do not have sufficient acreage, but wish to sow something that will provide some good nutritious green feed. There are plots of ground close to your chicken houses and yards that can be utilized very profitably for growing this splendid feed.

The following are some of the seed that constitute the mixture: Rape, Field Peas, Soy Beans, Japanese Millet, Speltz, Rye, Oats, etc.

**Price—Postpaid, 1 lb. 20c; 5 lbs. 75c; by freight your expense: 10 lbs. 65c; 20 lbs. \$1.20; 100 lbs. \$5.00. Bags free.**



# SOY OR SOJA BEANS

Soy Beans may be utilized either as a soiling crop, pasture crop, hay crop or grown for seed. As a soiling crop for cows, no crop surpasses them for producing a high yield of milk. Hogs turned into a patch of Soy Beans, as the beans are commencing to form, will make a phenomenal growth. The Soy Beans will produce under favorable conditions 12 to 13 tons of fresh fodder per acre.



**Varieties**—We are only listing the seven best varieties and believe we are offering you the best selection on Soy Beans you can obtain. Our stock is all high grade, testing high on germination and our prices are low.

## MORSE EARLY GREEN

Last season we offered this variety in our Seed Facts and found it to be one of the most popular varieties listed. This year we take pleasure in recommending it to our trade. It is an early heavy producer, making a good growth of vines, and the beans do not shatter the same as some of the early varieties. It is most popular thruout Missouri and we can recommend it for the entire corn belt.

## Mid-West, Known as Hollybrook, Early Yellow and Mongol

This is one of the standard varieties and will mature anywhere in the corn belt. It matures in about 120 days, growing about 36 inches tall. It is a heavy producer of seed

and hay and is desirable to plant with corn for hogging down purposes.

## MANCHU

This is the variety so generally recommended by the County Adviser and is so popular throughout Iowa. It is unquestionably the most desirable variety for the Iowa farmer. It is recognized as one of the best yellow early maturing varieties. A heavy seed producer, erect growth; good for either ensilage or hogging down.

## BLACK EARLY WILSON

The Early Wilson Beans are becoming very popular in this section and produce wonderful crops of nutritious beans. We have a nice supply of this seed stock that has been carefully recleaned and we feel sure they will please you.

**ALL VARIETIES LISTED. Price—Postpaid, 1 lb. 25c; 5 lbs. \$1.00.** See Pink Price for prices on larger amount.

# CHOICE COW PEAS

Cow Peas have long been recognized as the great soil builder and the demand for them is constantly on the increase. Their use is bound to increase as they become better known. We cannot say too much about the value of Cow Peas as a soil builder and a feed so high in protein and one that will give large returns where ever used.

## We Offer the Four Best Varieties for All Purposes

### WHIP-POOR-WILL

An early variety, maturing in about 70 days. Used more extensively than any other variety and gives best results. It is a heavy forage maker, a very productive variety and is grown usually for pasture or to improve the soil. Trails very little and usually grows only in bush form. We recommend this where an early variety of good growth and height is desired. Our trade is largely for the Whip-poor-will Peas and for general purposes this variety is hard to beat. Our stock is new—free of weevil and is in the best of condition.

**Price—Postpaid 1b. 25c.** See Pink Price List for prices.

### MIXED COW PEAS

Many prefer to plant different kinds together. They grow thicker and make a larger growth of vine than single varieties. The mixed are splendidly adapted for soil improving and for pasture or hay. Where the crop is desired for soil improving it is really

an advantage to sow these mixed peas. Our peas are all tested for germination.

**Price—Postpaid 1b. 25c.** See Pink Price List for prices.

## NEW ERA

The earliest variety of Cow Peas in existence and the best for northern states. Particularly recommended for planting after grain harvest and plowing under in fall. Every farmer can use them profitably.

They are upright-growing, quick to mature, and remarkably prolific peas. Rather small vine which cures easily, making splendid dry foliage. The seeds are smaller in size than the ordinary cow pea, so that it does not require as many to seed an acre. One bushel will give ample seeding.

**Price—Postpaid 1b. 25c.** See Pink Price List for prices.

## WHITE CANADIAN FIELD PEAS

Each year the demand for the Canadian Field Pea increases. This year we are prepared to take care of every customer who wants to buy Field Peas. The White Field Pea is so much in demand that it is not necessary for us to add anything new about its merits.

Our stock this year is exceptionally nice as we are giving more care and attention to this crop.

**Price—Postpaid 1b. 25c.** See Pink Price List for prices.



# Selecting Seed Corn by Improved Methods

## How We Do It

When taking in our corn for seed each ear is hand selected, eliminating the bad ears not suitable for seed. This careful handling and good airy drying cribs puts our corn in splendid condition for seed purposes.

After it has become thoroughly dried and germination test made it is ready to shell. After being shelled, the shelled corn passes direct to the graders and we have perfected a system where the corn passes over two graders giving the stock two very careful gradings, putting it in the best of shape ready to be sacked, weighed and piled, where it remains until we receive an order from our customer. If you have followed the description you will understand why our corn shows up in such splendid shape. We put considerable labor and expense on each bushel of Seed Corn in the way of preparing it for the planter. Our expense,

however, is kept close to the minimum as we have special machinery for handling and our labor does not run up the cost of the seed nearly so fast as when handled by hand with baskets.

It is interesting to watch the corn from the time it is taken in until it finally reaches the bag ready for the planter. Understand every lot after being shelled and sacked is again tested for germination and a tag should be found on the sack giving you our latest germination test at time of shipment.

After preparing the corn this way and only taking in corn from the best fields, it is not hard for us to give you something superior in the way of seed and a positive guarantee on germination. We know the quality and have confidence in our Seed Corn. If you could make us a visit and see the corn for yourself, you likewise, would become enthusiastic about the quality and you would be surprised that such fine seed corn can be turned out at as low a figure as we offer. Our guarantee protects you. All we want is a trial order. Our customers who are buying year after year are our best advertisements. We want your order this year.

This year our corn is exceptionally good and we have an extra fine lot of seed for our customers. You would do well to make us a visit and see just what we have in the way of Seed Corn.

## We Test and Grade Our Seed Corn

This testing and grading is a very important thing and we emphasize it greatly. We also expect those that buy to inspect it, therefore we know it must be right before we send it out; so it will stand the most severe test.

This year we are making a great improvement in our corn building, installing a new special grader, so that our finished product should show up better than ever before. Our seed corn will receive special attention and the quality should please the most critical trade.

We want to emphasize the fact that we grade our seed corn most carefully. Every lot is graded twice and put in the very best shape that machinery is capable of doing. After our seed corn has been twice sorted by hand, it does not leave much for the machinery to do.

But we know what screens to use in order to perfect our seed corn and put it in the best of shape for our customers.

After it is put in the bag, every lot is again tested and every lot shipped carries a tag giving you our germination test so you know exactly what you are getting. We send out no corn that does not show a good germination, for we know what is required for planting and know what our customers want. Every lot is tested and guaranteed so you take absolutely no risk when you order our seed corn. Don't order your seed from some small, new, inexperienced, would-be seed corn expert who does not have the equipment, experience or financial ability to give you what you might expect. We have been in business years and when you deal with us, you are dealing with responsible people who wish to satisfy every customer as we expect to be in business not only today but twenty years from now. We have the kind of seed corn you want, and our prices are most reasonable and you will act wisely in sending us your order.

See our Pink price list for prices and varieties of Seed Corn.

## Seed Corn Guarantee:

**30 Days to Test It—If Not Right Your Money Back**

We have every confidence in our SEED CORN we are offering and will give you **Thirty Days** in which to test and examine the corn in any way you wish, and if you do not find it as represented after testing you may return it and we will refund your money without question. You are the judge and jury and we stand by your verdict.

There are no strings to this guarantee. If the corn does not prove to be what we claim, fire it back and get your money. Undoubtedly the strongest Seed Corn Guarantee ever put out.

**Tested—Graded—Guaranteed Seed Corn**

**30 Days to Test It—If Not Right Your Money Back**





# Improved Blended Lawn Grasses

A handsome house with a spotted lawn has an unfinished appearance. A smooth green full turf acts like a picture frame for your house. The most humble cottage attracts attention if it is surrounded by a well kept lawn. Think a moment about some nice lawn you saw last Summer. Didn't it make a favorable impression on you?

In starting a lawn or thickening up an old one, be sure to select the kind of grasses that are really suitable for lawn purposes. Sometimes one kind of grass is sufficient but a blended mixture is usually better. Some grasses are best in the Spring, others in the Summer, and still others in the Fall. Some are adapted to shade and others are not.

Blue Grass and White Dutch

Clover are the foundation of most of our mixtures. We add various sod-forming grasses of different textures and give you mixtures that are most satisfactory. The excellence of our lawn grasses is spreading their fame far and wide.

One pound of our Lawn Mixture will sow about 600 square feet of new seeding.

### EXTRA CHOICE LAWN MIXTURE

This is our most popular blend. Besides the Blue Grass and White Dutch Clover it has grasses of finer texture. Also a few quicker growing grasses to give the lawn a green appearance while the slower growing grasses are getting started. These quick-growing grasses are coarser but they disappear after the first year and leave a velvety turf. **Price, postpaid, lb., 50c; 2 lbs., 85c; 5 lbs., \$1.90.**

### SOUTHLAND LAWN MIXTURE

In the southern states difficulty is often experienced in establishing a lawn. This mixture is made up of Southern Blue Grass, Bermuda Grass and other varieties adapted to a hot, sunny climate. Together they make an emerald green lawn possible the entire year. **Price, postpaid, lb., 65c; 2 lbs., \$1.20; 5 lbs., \$2.50.**

### SPECIAL TERRACE MIXTURE

Do you have trouble keeping the terrace or sloping places on your lawn looking nice? This mixture has in it grasses having long branching roots that will hold the earth in spite of heavy rains. **Price, postpaid, lb., 65c; 2 lbs., \$1.20; 5 lbs., \$2.50.**

### SHADY SPOT LAWN MIXTURE

This is made up of grasses that grow naturally in the woods and shady places. It will be found invaluable on grounds lying in the shade of buildings or trees. **Price, postpaid, lb., 50c; 2 lbs., 85c. By freight, 10 lbs., \$3.35.**

### FANCY KENTUCKY BLUE GRASS

There is absolutely no grass better for a lawn than Fancy Blue Grass. It comes early and stays green until late in the Fall. Our seed is pure and of high germination. **Price, postpaid, 1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.70; 5 lbs., \$2.50.**

### WHITE DUTCH CLOVER

Many use White Dutch Clover in starting a lawn. It is easy to get this grass started and for this reason many prefer it to other grasses. **Price, postpaid, lb., 75c; 2 lbs., \$1.40; 3 lbs., \$2.00.**

### POINTERS ON LAWN MAKING

On nearly all kinds of soil it pays to work into the top six inches of the soil some well-rotted manure. It should be well rotted for then it decomposes rapidly and the weed seeds in it will be dead. Likewise, lime is beneficial to most soils. It kills unfavorable conditions and stimulates favorable bacteria. Also it makes plant foods, available for the grass plants. On real heavy clay the mixture of a little sand is often helpful. If you haul in soil for your lawn, get only the very best.

Your seed bed should be well settled underneath with not to exceed an inch of loose dirt on top. Half an inch is usually plenty. Take pains in getting the seed bed level. If you have pockets or dips it will mar the best effect. Cover your seed about half an inch deep, and go over it with a light roller or drag.

Remember that grass needs lot of water. It gets its food through water. A great part of the grass is water. If you want a real beautiful lawn during dry weather you have to use water. The value of the manure or sand that is added to the top soil keeps heavy soils from cracking and baking during the hot season. It pays to give your top soil plenty of attention. It will be easier to get a full stand and easier to keep your lawn in prime condition. From time to time a top dressing of manure or fertilizer will keep your lawn a thing of beauty.

## Grass and Field Seed Index

Alfalfa ....2-10-12-13-39	Cane ..... 20	Millet ..... 20	Speltz ..... 17
Alsike Clover ..... 8	Chicken Pasture .... 21	Oats ..... 17	Sudan Grass ..... 19
Alsike and Timothy	Clovers .....7-11	Pasture Mixture .... 14	Sweet Clover .....11-39
Mix ..... 14	Corn (Field) ..... 23	Peas ..... 22	Sweet Clo. and Tim
Alsike Red Clo., Tim.	Cow Peas ..... 22	Rape ..... 21	Mix. .... 14
Mix. .... 14	Field Peas ..... 22	Red Top ..... 16	Timothy ..... 15
Barley ..... 18	Grass Seeds .....6-16	Rye Grass ..... 16	Timothy & Clo. Mix.. 14
Blue Grass .....10-16	Grass Mixtures ..... 14	Rye (Spring) ..... 18	Vetch ..... 19
Bromus Inermis .... 15	Hubam ..... 9	Soy Beans ..... 22	Wheat ..... 18
Bermuda Grass ..... 16	Lawn Grass ..... 24		



# KANSAS SEED CO.

~~V. B. M. Colough, President~~

422-4-6 N. Santa Fe Ave., Salina, Kansas

Phone 448

## Prices and Description

### Vegetable Seeds

**BEANS, PEAS AND SWEET CORN** come first—other **SEEDS** in alphabetical order.

**NOTICE**—Prices on small quantities are quoted postpaid, on larger amounts, not postpaid. Quotations on larger amounts than listed on request.

All prices quoted are subject to stocks on hand and market fluctuation.

## BEANS

Beans are very sensitive to both cold and wet. It would be useless to plant them until the ground is warm. They can be safely planted first when the apple is in bloom. For garden culture make your rows about 18 inches apart and 8 inches apart in the rows. One quart plants about 100 foot rows. Special price on application in 50 or 100 lbs.

Prices for all varieties of beans listed on this page. Postpaid, Carton, 12c;  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 3 lbs., \$1.00. Not postpaid, 5 lbs., \$1.75; 10 lbs., \$3.00.

**Golden Wax** The old standard wax sort. Productive and early with yellow semi-round pods of good quality.

**American Black Wax** The old standard Black Wax Bush Bean. The pods are round, brittle, yellow color.

**Round Pod Kidney Wax** (Brittle Wax.) Is early, of vigorous growth with heavy yielding vines; pods are long, round and entirely stringless; have fine flavor. One of the highest quality beans. One of the best of the round pods.

**Davis White Wax** A new, white, rustless, productive, wax-podded bean; pods flat, very long, white waxy color, and handsome; seeds clear white.

**Burpee's Stringless Green Pod** Very popular and widely grown. Plant large-medium, very erect when young, and very hardy, heavily to moderately productive. Pods are somewhat variable in size, about 5 in. long, generally more or less scimitar curved, extremely brittle, absolutely stringless, usually contain six seeds very crowded in pod.

**Stringless Green Pod** The earliest sorts of all green podded sorts; large, handsome pods, six inches in length. Very productive, pods perfectly round, straight, broad, tender, brittle, fleshy and entirely stringless.

**Extra Early Round Pod Red Valentine** Nothing superior to this dwarf green-podded sort, both for the home and market garden. Many prefer it to the wax varieties. Pods medium length, curved cylindrical, with crease in back, very fleshy, crisp and tender.

**Bountiful** This flat, green-podded bush bean is in great demand today. The plant is vigorous, very productive and resistant to rust and other diseases. The immense pods are of rich green color, six to seven inches long, thick, broad, uniform in shape, solid, stringless, but slightly fibrous, and make excellent snap beans. They are also very palatable when used for green shell beans, and is a most desirable sort for home and market gardener.

**Full Measure** Not a new variety, yet it has just been recognized as one of the most desirable beans grown. They are absolutely stringless. The texture of the pod never grows coarse, but remains tender and meaty until the bean is fully matured and ready to shell. Superior to Burpee's Stringless.

**Kentucky Wonder, or Old Homestead.** Pole variety long, flat green pods, seven to nine inches in length, fleshy and stringless. Heavy yielder. Excellent for snap beans.



Burpee's Stringless Green Pod

**Burpee's Bush Lima** Plant large, and thick stemmed, about 20 inches high, with occasional runners. Shell pods, dark green, of smooth surface moderately curved, flat, uniform in size, very large for dwarf limas, very wide, about four inches long and generally containing four seeds. They are of excellent quality.

**Henderson's Bush Lima** Small plant, slender stemmed, very erect, bushy, very early, long in bearing, heavily to moderately productive. Pods dark green of smooth surface, straight, very uniform in size, very small, very flat, about  $2\frac{3}{4}$  in. long, borne in numerous large clusters close to center of plant. Especially adapted to west and middle west.

**Cut Short or Corn Hill** Largely used for planting among corn. Pods are short, very straight, decidedly bulged out in places, flat but become oval at the green shell stage.

**White Dutch Caseknife** Popular in Middle West. Pods vary in size, 8 in. long, medium green in color, somewhat coarse surface, and of fair quality. Can be snapped or shelled.



# PEAS

**PEAS** are among the earliest seeds that can be planted at the close of winter. The **round, smooth sorts** are the **hardeniest** and are often planted without danger before the frost is out of the ground. The wrinkled sorts are not so hardy and cannot with safety be planted quite so early; but plant all kinds as early as possible and plant on a warm, quick, rich soil. Peas will mature **earlier** if planted only **an inch deep**. Where earliness is most important they should not be planted deeper, but **larger pods** and more of them may be had by **deeper planting**. Dwarf varieties are planted in rows of 15 inches to 2 feet apart. Two quarts of seeds sow a hundred yards of rows.

Prices for all varieties of Peas listed on this page: **Postpaid, carton 12c; ¼ lb 10c; ½ lb. 20c; 1 lb. 30c; 3 lbs. 80c. Not postpaid, 5 lbs. \$1.15; 10 lbs. \$2.00.**

**Alaska or Earliest of All** The vines are of medium height and of distinctive light color. The pods are of good size, about two and one-half to two and three-fourths inches long. Seed small, smooth, and bluish green in color. This sort matures all of its crop at once and is an invaluable variety for market gardeners and canners.

**Everbearing** Unexcelled for profusion and continuance of bearing. Plant has a remarkable branching habit, reaches a height of 2 to 2½ feet and will do well without sticks or brush. Produces pods three to four inches long, broad, blunt, of fair size and light colored, filled with six to eight large, wrinkled peas of fine quality.

**Dwarf Gray Sugar** A dwarf plant growing about two feet high, producing an abundance of edible pods which are very sweet and tender. They are prepared for the table just as you would snap beans and are served with white sauce.

**Little Marvel** New improved variety lately introduced. The most valuable home garden variety yet introduced, very early, large podded and a great cropper, 18 inches high, pods very dark green, produced in pairs and always well filled.

**Telephone** The Telephone is medium early in season, bears a long time; the pods are always of good size, well filled and the quality is of the very best.

**Nott's Excelsior** A very sweet, very dwarf, early pea, small bush, about 15 inches high. Bears very heavily in a favorable season, but subject to weather conditions more than the smooth peas. Very high quality.



EVERBEARING PEAS



Little Marvel

**Early June Pea** This is actually the earliest pea known. Being a dented solid berry, it will stand planting two weeks earlier than the wrinkled varieties without injury from weather conditions which hardy quality gives it an extra early start. The berry is bluish green in color; vines grow about knee high and good averaged size pod; well filled and of a very rich quality.

**American Wonder** Somewhat similar to Nott's Excelsior, a very early wrinkled pea; very dwarf. Pods quite large but not many to a vine.

**Little Gem** Probably the best known and most widely grown second early. It comes in following the first earliest, grows about 15 to 18 inches high and bears heavily of large, plump pods. The peas are wrinkled and very sweet.

**Champion of England** The best late season tall pea. One of the oldest varieties of peas. There is no sweeter pea than the Champion of England. The vines grow almost 5 feet high, are very vigorous and produce a heavy crop of good sized pods filled from end to end with luscious peas.

**Marrowfat (Late)** One of the oldest and best known peas. A great yielder of ordinary quality peas.

**Edible Pod Pea** This class of pea is but little known. They have a sweet, brittle, succulent pod, and can be used same as snap beans, cooking both pod and pea together.



## SWEET CORN

**DON'T PLANT SWEET CORN DEEP**—Sweet Corn should not be planted over one inch deep; most people plant two or three inches deep—most sure to rot. Also do not plant too early... Not as early as field corn.



Golden Giant Sweet Corn

**Golden Giant** This is an early Sweet Corn recently introduced which is as early as the Golden Bantam. It is superior in size of ear and quality to that well known sort. The ears are fully a half larger; corn much sweeter, much more productive and as a roasting ear for market garden trade is much more desirable and a better seller; Price: Postpaid, Carton, 12c; ½ lb., 20c; 1 lb., 35c. Not postpaid, 5 lbs., \$1.40; 10 lbs., \$2.75.

**SUNSHINE** This is a very early yellow variety of sweet corn which was brought out the first place by the North Dakota Agricultural College. In our trial grounds this year it has proven all that has been claimed for. It is ten days earlier yet than Golden Bantam; a somewhat larger ear with more rows on it. The quality is tender and sweet and retains its tenderness longer than most early varieties. A combination of earliness and quality. Prices: Postpaid, Carton, 12c; ½ lb., 20c; 1 lb., 35c. Not postpaid, 5 lbs., \$1.40; 10 lbs., \$2.75.

**Golden Bantam** A yellow variety of sweet corn: the richest and sweetest of all corns. It may be planted thickly and as late as July 15 with splendid results for table use as green corn. Price: Postpaid, Carton, 12c; ½ lb., 20c; 1 lb., 35c. Not postpaid, 5 lbs., \$1.40; 10 lbs., \$2.75.

**Extra Early Adams** Earliest white corn; small ear and stalk. Not a Sugar Corn, but is grown for early use. Ears short. Postpaid, Carton, 12c; ½ lb., 20c; 1 lb., 35c. Not postpaid, 5 lbs., \$1.40; 10 lbs., \$2.75.

**Country Gentleman** This variety frequently has four good sized ears, while the average is three to a stalk. The cob is very small, giving good kernels of pearly whiteness. It is without doubt the sweetest and most tender of all sweet corn. Price: Postpaid, Carton, 12c; ½ lb., 30c; 1 lb., 50c. Not postpaid, 5 lbs., \$2.00; 10 lbs., \$3.75.

**Improved Evergreen** This is an improvement over Stowell's. Deeper kernels and a sweeter roasting ear. Earlier and will last a long time in a green and tender condition. The ideal variety for market gardeners. Price: Postpaid, Carton, 12c; ½ lb., 30c; 1 lb., 50c. Not postpaid, 5 lbs., \$2.00; 10 lbs., \$3.75.

**Minnesota Early** The best and most popular of the older varieties, having eight rows of very sweet and tender kernels. Price: Postpaid, Carton, 12c; ½ lb., 20c; 1 lb., 35c. Not postpaid, 5 lbs., \$1.40; 10 lbs., \$2.75.

**Stowell's Evergreen** The standard big late corn. Good, big ears, sweet and solid, and heavy yielder. Stays green and tender for a long time. Price: Postpaid, Carton, 12c; ½ lb., 30c; 1 lb., 50c. Not postpaid, 5 lbs., \$2.00; 10 lbs., \$3.75.

## TABLE BEETS

**Early Wonder** A rather new variety of recent introduction and one of the earliest Beets known, almost round leaves, small, very dark rich crimson color. Price: Postpaid, pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 40c; 1 lb., 75c.

**Extra Early Flat Egyptian** An early variety. The tops are small and the beets are round on top, but flat at bottom end. The color of flesh is light red. Price: Postpaid, pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 40c; 1 lb., 75c.

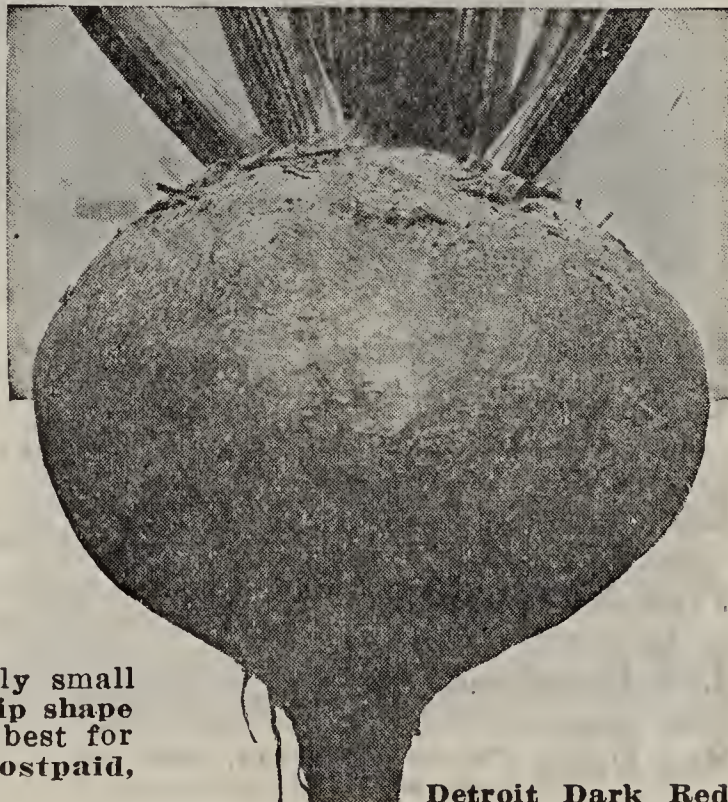
**Crosby's Egyptian** A variety of beet which has nearly supplanted the original Egyptian and is more desirable because of its shape and fine quality. It is extremely early. Price: Postpaid, pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 40c; 1 lb., 75c.

**Swiss Chard, or Spinach Beet** The leaves of Swiss Chard are used as greens, cooked in the same manner as Spinach. Price: Postpaid, pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 40c; 1 lb., 75c.

**Half Long Blood** Dark red flesh. Price: Postpaid, pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 40c; 1 lb., 75c.

**Long Smooth Dark Blood** Postpaid, pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 40c; 1 lb., 75c.

**Detroit Dark Red** A grand beet with tops exceptionally small and up-right; roots are perfect turnip shape with small tap root. Color dark blood red. One of the best for market gardener and the home gardener. Price: Postpaid, pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 40c; 1 lb., 75c.



Detroit Dark Red



## Mangel Wurzel and Sugar Beets

The Best for Stock Feeding

### Half Sugar Mangel

A strain of beets very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but much richer in sugar and other nutritive elements growing out of the ground. Can be harvested easily. Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c. Not postpaid, 5 lbs. \$2.00; 10 lbs. \$3.50.

### Mangel Wurzel

**Mammoth Long Red** This is the heaviest cropping and largest of all mangels. The roots grow from one-half to two-thirds above the surface and are frequently two or more feet in length by six inches in diameter. Dark, richly colored foliage; skin bright red; flesh white, with veined rings of rosy-pink. Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c. Not postpaid, 1 lb. 45c; 5 lbs. \$2.00; 10 lbs. \$3.50.

**Golden Tankard** Best for dairy farming. It is of rich, deep yellow throughout. Early, hardy and a heavy cropper. Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c. Not postpaid, 1 lb. 45c; 5 lbs. \$2.00; 10 lbs. \$3.50.

### Sugar Beets

Sugar Beets may be grown in any tillable soil that is capable of producing good crops of vegetables. A few rows of Sugar Beets in the garden will be sufficient for a supply of syrup for home use. A bushel of Sugar Beets will produce about a gallon of syrup. Splendid for stock food.

**White French Sugar** Price: Postpaid, oz 10c; ¼ lb. 20c; 1 lb. 50c. Not postpaid, 5 lbs. \$2.00; 10 lbs. \$3.50.

## Cauliflower

One ounce of seed will produce about 3,000 plants.



Cauliflower (Danish Grown Seed)

**Early Snowball** Esteemed for its earliness and its heading qualities, producing large, solid, pure white heads; dwarf in habit and as early as any; one of the best sorts for forcing. Price: Postpaid, pkt. 25c; ¼ oz. 70c; ½ oz. \$1.25; 1 oz. \$2.25.

**Danish Giant** One of the finest late varieties of robust habit; heads large, compact and thoroughly protected by leaves. Price: Postpaid, pkt. 25c; ¼ oz. 70c; ½ oz. \$1.25; 1 oz. \$2.25.

## CABBAGE



Early Jersey Wakefield

**Early Jersey Wakefield** Considered by many gardeners the very best early variety. Price: Postpaid, pkt. 5c; ½ oz. 15c; oz. 25c; ¼ lb. 65c; ½ lb. \$1.25; 1 lb. \$2.49.

**Copenhagen** An entirely new type of early cabbage. As early as Early Jersey Wakefield, as large as All Head, solid and better quality than either. Price: Postpaid, pkt. 5c; ½ oz. 20c; 1 oz. 30c; ¼ lb. 75c; ½ lb. \$1.40; 1 lb. \$2.70.

**Early Flat Dutch Cabbage** A valuable second early sort. Price: Postpaid, pkt. 5c; ½ oz. 15c; 1 oz. 25c; ¼ lb. 65c; ½ lb. \$1.25; 1 lb. \$2.40.

**Premium Late Flat Dutch** Old and well-known variety. Price: Postpaid, pkt. 5c; ½ oz. 15c; 1 oz. 25c; ¼ lb. 65c; ½ lb. \$1.25; 1 lb. \$2.40.

**Late Drumhead** A very deep, solid, sure heading variety. Price: Postpaid, pkt. 5c; ½ oz. 15c; 1 oz. 25c; ¼ lb. 65c; ½ lb. \$1.25; 1 lb. \$2.40.

**Red Dutch** Price: Postpaid, pkt. 5c; ½ oz. 15c; 1 oz. 25c; ¼ lb. 80c; 1 lb. \$3.00.

**CULTURE**—The Cabbage is a great feeder and well repays heavy manuring and high culture. It succeeds best on well drained soil. Early cabbage may be started in early spring in a hot-bed. For main crop, summer and autumn cabbage, the seed should be sown in a rich bed in the open in May or June. Sow shallow; 1 oz. of seed to 4,000 plants, 3 to 4 ozs. for an acre. Set the plants 2 to 3 feet apart each way. Give frequent cultivation.

**Danish Ball-Head** (120 days) (Dutch Winter or Hollander). The heads are of medium size, solid and deep, averaging in weight nearly eight pounds. Their quality is superior and they are just as solid in spring as when put away in the fall. Price: Postpaid, pkt., 5c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 75c; ½ lb., \$1.40; 1 lb., \$2.70.

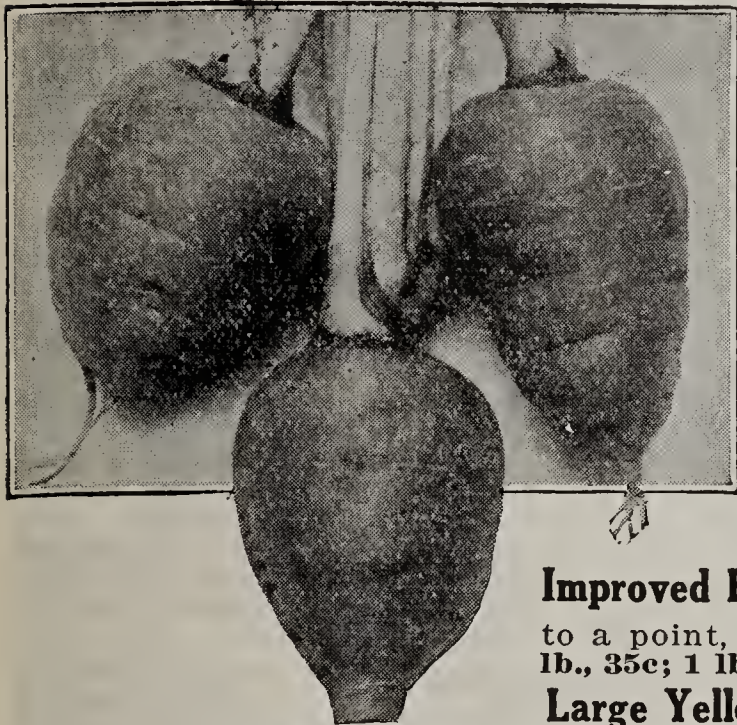


Early Flat Dutch



## CARROTS

Carrots require a deep, well worked soil. Plant in rows 15 inches apart for table sorts; cover half inch deep. One ounce plants 50 feet. Carrots are excellent for stock, especially for horses. Sow any time before July 1st in rows 24 inches apart. Thin to 6 inches in the rows; two pounds of seed to the acre. Store in winter the same as turnips. For feeding stock grow the **White or Yellow Belgian**, which yields big crops.



**Oxheart Carrots**

**Oxheart or Guerande** We do not hesitate to call this the most valuable variety in existence. It is intermediate between the Half Long and Horn varieties, attaining a diameter of 3 to 4 inches at the neck, of beautiful shape and rich orange color. It is excellent for hogs and other live stock and has yielded 1,200 bushels per acre. **Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 35c; 1 lb., \$1.10.**

**Earliest Short Horn** (French Forcing). This variety is small, reddish-orange, of globular shape and excellent flavor. **Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 35c; 1 lb., \$1.10.**

**Danvers Half Long** A popular standard variety of rich, dark, orange color. Very smooth and handsome. In form halfway between Oxheart and the Long Orange, and wonderfully productive. **Postpaid, pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.10.**

**Chantenay Half-Long** Resembling the Danvers, with larger shoulder. Medium early and heavy cropper. **Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 35c; 1 lb., \$1.10.**

**Improved Long Orange** A well-known sort, roots long, thickset near the crown, tapering regularly up to a point, color deep orange. **Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 35c; 1 lb., \$1.10.**

**Large Yellow Belgian** Used for feeding cattle; grows large and is very productive. **Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 35c; 1 lb., \$1.10.**

## CUCUMBERS

Cucumbers thrive best on warm, rich, sandy soil, the richer the better. Crop should never be planted until soil is warm and the trees are out in full leaf. Plant in hills 4 feet apart and thin to about 4 plants to the hill. Second planting about the middle of July for fall. One ounce for 50 hills.

**The Davis Perfect Cucumber** An excellent new cucumber for both outdoor use and forcing. It is a most carefully selected strain of the White Spine type. It is slim, slightly pointed, a dark glossy green color, very tender, brittle and of fine flavor, vigorous grower, withstanding blight and disease better than other sorts. **Postpaid, pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15.**

**Improved Early White Spine** An excellent variety which produces an early crop of cucumbers. The fruits are straight, light green, with white spines. **Postpaid, pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15.**

**Boston Pickling** A distinct and very productive variety extensively grown for pickles. The fruits are of medium size, very smooth, symmetrical and bright green. **Postpaid, pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15.**

**Early Cluster** Vine vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, with uniformly thick end, dark green, but paler at blossom end. A hardy and very productive sort. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15**

**Early Fortune** Largely grown by market gardeners in both north and south. Vines make a strong growth, producing abundant crops of fruit, slightly pointed, with a very dark green skin, and retains its color much longer than most other sorts. It is fine grained with white flesh, and a very small seed cavity. **Postpaid, pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15.**

**Improved Long Green** (Jersey Pickle). Fruits are long, firm and crisp. The small fruits are used for pickles and larger ones are excellent for slicing. The vines make a strong growth and are very productive. **Postpaid, pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15.**



**The Davis Perfect Cucumber**



## LETTUCE

**Culture.** Lettuce, to be at its best, should be grown rapidly, hence the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For winter, sow under glass from November to February and thin out as necessary. For general crop, sow out-doors as early in the spring as the ground can be worked, in drills 18 inches apart, and thin young plants to 4 inches apart in the row. As the plants begin to crowd, thin them out and use as required. In this way a much longer succession of cutting may be had from the same ground.



**Black Seeded Simpson**

**Black Seeded Simpson** Nearly double the size of an ordinary Curled Simpson. Stands summer well without becoming tough or running to seed quickly. By far the most popular variety for greenhouse forcing, making large handsome heads in a very short time. **Price:** Postpaid, pkt. 5c; 1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Hanson** Leaves are curly and tender and form a head as large as an early cabbage. Slow to run to seed. Creamy white inside. **Price:** Postpaid, pkt. 5c; 1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

## Celery

One ounce will produce 5,000 plants.

**Celery**—Celery seed is slow to germinate and ample time must be given. Sow thinly and cover lightly, keep constantly moist. Count on about 4,000 plants per ounce of seed. When the seedling plants are 3 inches high they should be clipped at the top. Favor stock growth or else transplant.

**White Plume Celery** The earliest celery. The easiest to grow, as it blanches without even earthing up. **Price:** Postpaid, pkt. 5c; ½ oz. 15c; 1 oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.

**Giant Pascal** A superior keeping sort. The stalks are very large, solid, crisp and of rich nutty flavor; it blanches very easily and retains its freshness a long time. **Price:** Postpaid, pkt. 5c; 1 oz. 20c; ¼ lb. 80c; 1 lb. \$2.50.

**Golden Self Blanching** The leading early variety. Stalks are broader and heavier than those of White Plume, and superior in quality, while it is only a little later. **Price:** Postpaid, pkt. 5c; 1 oz. 35c; ¼ lb. \$2.00; ½ lb. \$3.00; 1 lb. \$5.00.

**Grand Rapids** (Seed black). A lettuce for greenhouse forcing, quick growth, hardy, little liable to rot and remaining in condition several days after being fit to cut. Will stand shipping long distances better than most sorts. **Price:** Postpaid, pkt. 5c; 1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**New York** This is one of the finest head lettuce now being grown, extra tender and very brittle. While not as early variety as some it is one of the best for the garden or market. If you are fond of good lettuce don't fail to sow some of this excellent variety.

**Price:** Postpaid, pkt. 5c; 1 oz. 20c; ¼ lb. 60c; 1 lb. \$2.25.

**Early Prize Head. B** (Seed White). A large clustering, non-heading lettuce. The most easily grown variety in cultivation. The leaves of the variety are crimped, bright green tinged with brownish red, very tender and sweet. **Price:** Postpaid, pkt. 5c; 1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Early Curled Simpson** White seeded. One of the best of the leaf lettuces. Quite similar to Early Curled Silesia. **Price:** Postpaid, pkt. 5c; 1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

## Egg Plant

A tender plant that should be started quite early in a hotbed and transplanted.



**New York Improved Large Purple**

**New York Improved Large Purple.** Fruits large, nearly round, dark purple, free of thorns. **Price:** Postpaid, pkt. 10c; ½ oz. 25c; oz. 50c; ¼ lb. \$1.60.

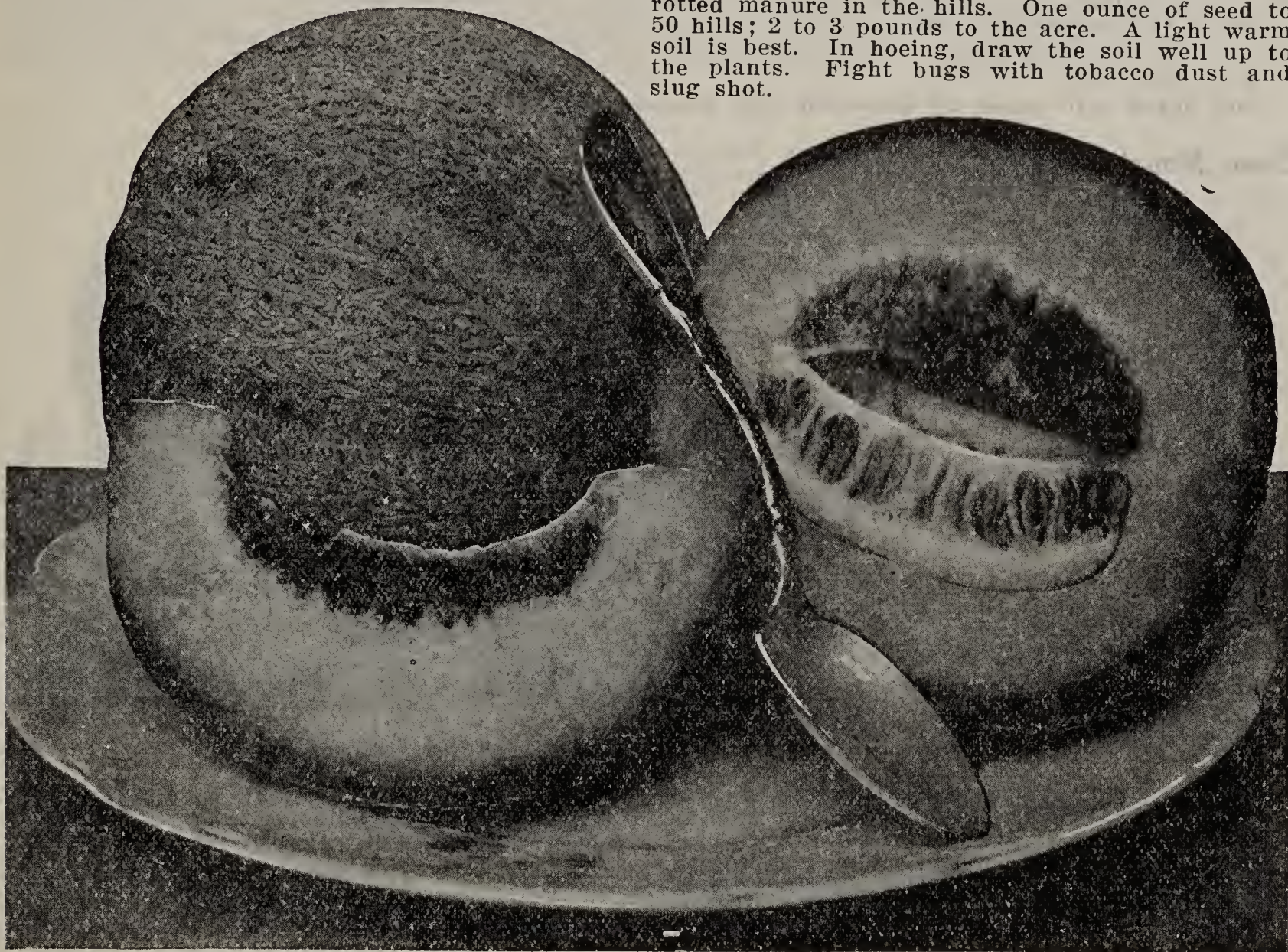
**Black Beauty.** Fruit large, symmetrical in shape and of a rich dark purple color. Little earlier than our Improved Large Purple. **Price:** Postpaid, pkt. 10c; ½ oz. 25c; oz. 50c; ¼ lb. \$1.60.



## MUSKMELON SEED

Our melon seed is saved from fields in which only seed melons are grown.

**Culture.** Plant seeds in hills 4 to 6 feet apart each way, after danger of frost is over. Use well rotted manure in the hills. One ounce of seed to 50 hills; 2 to 3 pounds to the acre. A light warm soil is best. In hoeing, draw the soil well up to the plants. Fight bugs with tobacco dust and slug shot.



Hearts of Gold

**Hearts of Gold** Vines strong and vigorous, disease resistant, prolific bearer, improved strain. Hoodoo. Melons of medium size, round, distinctly ribbed and attractive appearance. Flesh very firm, rich deep orange color, small seed cavity, sweet spicy flavor. Thickly netted rind. Price: Postpaid, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.

**Honey Dew** The skin is a very delicate yellow; surface almost perfectly smooth. The rind is thin, the flesh is very thick and in color blends from a near white at the rind to the daintiest of emerald green at the seed cavity. The flesh is crisp and delicious, very sweet, juicy and possesses a honey flavor, very pleasing to the palate. Price: Postpaid, pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.30.

**"Hoodoo" Melon** A new orange fleshed variety of the finest quality. Very vigorous, remarkably blight resisting and very productive. Fruits small and of uniform size. Netting exceptionally fine and dense. Flesh very thick. Price: Postpaid, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.

**Extra Early Hackensack** Ten days earlier than the old Hackensack. Flesh light green and excellent in flavor. Price: Postpaid, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.

**Milwaukee Market** Earliest, large size, good quality, yellow meated muskmelon to appear in the markets. Heavily netted, prominently ribbed, slightly oval, good yielder and a great money maker. Price: Postpaid, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.

**Jumbo Giant** Largest muskmelon grown. Very heavily ribbed, noticeable and attractive. Quick seller. Best quality of large melon, great yielder and a good money maker. Everybody wants one that sees it in the market. Price: Postpaid, pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.65.

**Rocky Ford** (Netted Gem). The flesh is deep and thick, and light green in color. The flavor is exceedingly fine. The skin is regularly ribbed and thickly netted. It is a heavy cropper, and in wide favor as a market melon. Very dependable. Price: Postpaid, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c;  $\frac{1}{2}$  lb. 75c; 1 lb. \$1.25.

**Emerald Gem** One of the sweetest melons in cultivation; smooth skin, deep salmon colored flesh; early and prolific. The ideal home melon. Price: Postpaid, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.

**Osage** (Salmon and Green). Medium to large sized, oval, slightly ribbed, dark green in color. Flesh is deep salmon color and very thick. Covered more or less with shallow netting. Price: Postpaid, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.



# WATERMELON SEEDS

**Culture.** The essential thing in melon culture is to get good strong vines early in the season. To this end plant your melons in hills 8 ft. apart, made rich with some good fertilizer or well rotted manure thoroughly mixed with the soil. As soon as the ground is warm and dry plant **15 to 20 seeds in each hill**, and thin out when the plants begin to grow, leaving only 3 to 5 of the most vigorous. Protect the young plants from insects and hasten their growth by the use of liquid manure. From 3 to 5 pounds plant an acre. Fight bugs with slug shot and tobacco dust.

One ounce will plant 50 hills and four pounds will plant one acre.

**Stone Mountain** The latest thing in melons to appear in the northern market. It is a big round one, slightly oblong but nearly round. Green color with bright red flesh that is a scream and as sweet as honey. The most popular of all melons in the southern market and becoming the same in the northern market wherever it appears. If you plant any melons for your home use or for market don't forget to plant Stone Mountain.

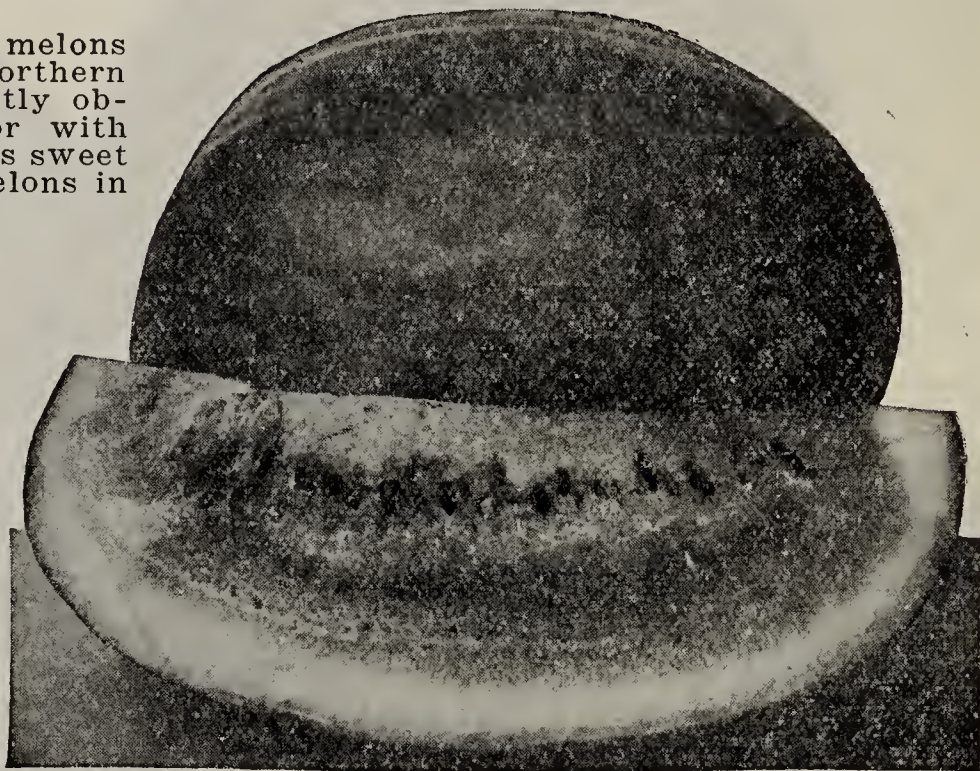
It pays to buy the best that can be obtained. Stone Mountain is the aristocrat of all melons. If you raise but one kind of melon raise Stone Mountain. **Price: Postpaid, pkt. 5c; oz. 20c; ¼ lb. 50c; ½ lb. 85c; 1 lb. \$1.50.**

**Irish Gray** A superb new sort. Bright sparkling red flesh, sweet, firm, with a yellowish gray rind. For the home it's better and sweeter than Kleckley's Sweet; has a tough rind; better than Tom Watson and outyields either of those. **Price: Postpaid, pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.**

**Kleckley's Sweets** Unsurpassed for home use or near markets. Melons of medium size, oblong, tapering slightly towards the stem end; dark green. Flesh very bright rich red, exceedingly sweet. **Price: Postpaid, pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.**

**Cole's Early** The earliest in cultivation. Black seed, rich red flesh. **Price: Postpaid, pkt. 5c; oz. 15c; ¼ lb. 40c; ½ lb. 70c; 1 lb. \$1.25.**

**Halbert Honey** A variety somewhat similar to Kleckney's Sweets. **Price: Postpaid, pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.**



Stone Mountain

**Georgia Rattlesnake** Oblong, dark and striped; bright red flesh. **Price: Postpaid, pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.**

**Sweet Heart** Mottled light green; large oval, heavy; red flesh; fine shipper. **Price: Postpaid, pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.**

**Tom Watson** A large, oblong, dark green melon, red color, crisp, sweet and delicious. **Price: Postpaid, pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.**



Kleckley Sweet



1. The first part of the report is a general statement of the purpose and scope of the study. It is followed by a brief review of the literature on the subject.

2. The second part of the report is a description of the methods used in the study. This includes a discussion of the subjects, the materials, and the procedures.

3. The third part of the report is a presentation of the results. This includes a discussion of the data and a comparison of the results with the findings of other studies.

4. The fourth part of the report is a conclusion. This includes a summary of the findings and a discussion of the implications of the study.

5. The fifth part of the report is a list of references. This includes a list of all the sources used in the study.



Garden Seeds

The Kansas Seed Co.  
Box 622  
Salina, Kansas

Field Seeds.

I can SAVE YOU MONEY on your SEEDS direct from FARM to FARMER.

CUTTING PRICES on your Spring needs on SEED. Compare these with ANY PRICES ANYWHERE. Buy your Spring needs now as prices are advancing.

#### FARM SEEDS

Prime Kansas Grown Alfalfa.....	\$4.25	per bu.
Choice " " " .....	5.90	" "
Fancy " " " .....	7.90	" "
" " " Grimm.....	8.00	" "
Northwestern Grown Grimm.....	10.50	" "
Lymans Grimm Alfalfa.....	14.00	" "
Choice White Blossom Sweet Clover-Scarified.....	\$2.10	per bu.
Fancy " " " " " .....	2.60	" "
Choice Yellow " " " " " .....	2.10	" "
Fancy " " " " " .....	2.60	" "
Choice Red Clover.....	5.00	" "
Fancy " " " " " .....	6.50	" "
Choice Alsike Clover.....	5.00	" "
Fancy " " " " " .....	6.50	" "
Unhulled Sweet Clover-White or Yellow.....	1.20	" "
Korean Lespedeza.....	\$8.50	per 100#
Timothy & Alsike Mixture.....	4.90	" "
" " Red Clover Mixture.....	4.90	" "
Orchard Grass.....	1.40	" bu.
Supreme Pasture Mixture.....	4.50	" "

A Above PRICES F.O.B. SALINA, KANSAS. BAGS FREE.

ALL orders must be accompanied with a money order FOR FULL AMOUNT OR 1/3 of amount on C.O.D. orders.

Write me for Cane, Millet, Sudan, Grohoma, Milo, Feterita, Sargo, Hegari, Kaffir, Soybeans and Seed Corn Prices.

Reference: FARMERS NAT'L BANK\* SALINA, KANSAS



## ONION SEED

The onion not only contains considerable nutriment and has valuable medicinal properties, but is most useful in counteracting the bad effects of sedentary life. The odor it imparts to the breath may be avoided by thorough cooking.

In onion culture, thorough preparation of the ground, careful sowing and the best of after culture, though essential, avail nothing unless seed of the best quality be used.

Sow the seed as soon as the ground can be gotten ready, and it can be done best with a Planet Jr. hand seed drill adjusted to sow the desired quantity of seed about one-half inch deep. The quantity needed will vary with the soil, the seed used and the kind of onions desired. Thin seeding gives much larger onions than thick seeding. Four to five pounds per acre is the usual quantity needed to grow large onions.

Gathering. As soon as the tops die and fall the bulbs should be gathered into wind-rows. Cut off the tops when perfectly dry; leave lay a few days.



**Southport Red Globe**

**Southport Red Globe** On account of its beautiful shape and rich red color, these onions bring a premium in any market and is an excellent keeper. The seed we offer is grown from true type bulbs. Subject to test before planting and if not absolutely satisfactory, money will be refunded. **Price:** Postpaid, pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.

**White Globe** This is the largest successful pure white onion in cultivation. Perfect globe shaped, very solid; keeps well and always brings the top of the market. **Price:** Postpaid, pkt. 5c; ½ oz. 15c; 1 oz. 25c; ¼ lb. 80c; 1 lb. \$3.00.

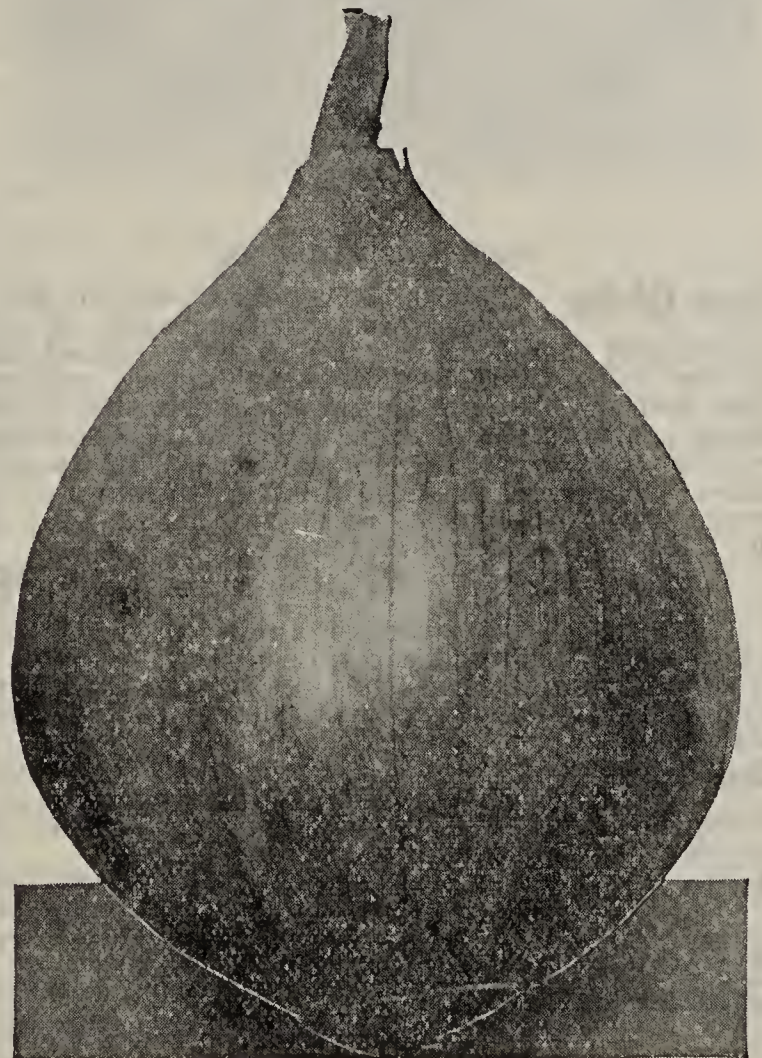
**Large Red Wethersfield** The best known of all the onions. **Price:** Postpaid, pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.

**Yellow Globe Danvers** The most extensively used yellow onion. **Price:** Postpaid, pkt. 5c; oz. 25c; ¼ lb. 70c; 1 lb. \$2.25.

**Prizetaker** The largest onion grown; very mild. **Price:** Postpaid, pkt. 5c; oz. 25c; ¼ lb. 70c; 1 lb. \$2.25.

**White Silver Skin** Round, white, medium. **Price:** Postpaid, pkt. 10c; 1 oz. 40c; ¼ lb. \$1.25; 1 lb. \$4.00.

**Valencia Onion** A variety of late introduction into this trade territory. Highly recommended by W. F. Kerr, the leading onion grower of this country around and about. A very mild variety. Bronze color. Thin tough skin, solid and substantial. One of the best keepers of all onions. Grows very large. Good specimens weigh about 2 lbs. Many growers in other sections of the country that have grown this variety are able to produce from 500 to 1000 bushels of choice marketable onions per acre. **Price:** Postpaid, pkt. 10c; oz. 45c; ¼ lb. \$1.50; 1 lb. \$5.00.



**Valencia Onion**

**Mammoth Silver Skin** A large white onion. **Price:** Postpaid, pkt. 10c; 1 oz. 40c; ¼ lb. \$1.25; 1 lb. \$4.00.

**New Queen** Early, small white onion for pickling. **Price:** Postpaid, pkt. 10c; 1 oz. 40c; ¼ lb. \$1.25; 1 lb. \$4.00.



# RADISH SEED

SPECIAL PRICES 5 to 10 POUND LOTS ON ALL SORTS.

**Culture.** For forcing under glass, scatter evenly over the surface 100 seeds to the square foot and cover with one-half inch of soil, sifted. For open ground culture, sow on rich, sandy soil as soon in the spring as it is fit to work, in drills twelve inches apart and thin out the plants if necessary to prevent crowding. A good dressing of nitrate of soda will greatly stimulate growth and insure tender and brittle roots. Successional sowing from one week to ten days apart will keep up a supply. After the hot weather of summer begins it is better to sow the summer and winter varieties, as they do not become tough and stringy nor pithy as the earlier sorts are apt to do when planted in late summer time. One ounce sows about 50 feet of row.

Remember, a succession is secured by planting seed every ten days.

SPECIAL PRICES 5 TO 10 LB. LOTS ON ALL SORTS.



Saxa Globe Radish

**Saxa Globe** This is the quickest outdoor Radish known. On account of the remarkably small size of the leaves is indeed one of the safest and best for greenhouse culture. The flesh is firm and crisp, rich crimson, globe shape, and bulbs of even size. With favorable weather Saxa will be ready to eat in twenty days. Originated in Quedlinburg, Germany some years ago. Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.

(One ounce will produce about 1,800 plants).  
• Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable. Seeds germinate slowly and require considerable heat.

**Bull Nose** Large blocky fruit, very mild. Popular with home gardeners. Postpaid, pkt., 5c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 90c; ½ lb., \$1.60.

**Ruby King** Very large size. When ripe they are of a beautiful bright ruby red color. Postpaid, pkt., 5c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 90c; ½ lb., \$1.60.

**Chinese Giant** Most gigantic of all Giant Peppers. A fine mild red pepper, of enormous size, glossy scarlet color. The flesh is mild and unusually thick. Postpaid, pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., \$1.50; ½ lb., \$2.75.

**Pimento** Flesh extremely thick and very mild. Must be started early in the North to mature its fruits fully. Postpaid, pkt., 5c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 90c; ½ lb., \$1.60.

**Red Cayenne** Pods long and slim, of medium size. Pungent. Postpaid, pkt., 5c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 90c; ½ lb., \$1.60.

**Cardinal Globe Radish** This is the best forcing radish to date. A new 20-day variety. Remarkable for the small size of its leaves. The flesh is firm, crisp and fine quality, dark red, globe shaped bulbs of even size. Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.

**Icicle** The finest eating, a most distinctive Long White Radish... The best eating radish, and the best white variety. This sort has long, slender, pure white roots, which remain mild and crisp until they grow of larger size. Tops are quite short, making it early, and also allowing close planting. A succession is secured by planting seed every ten days. Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.

**Scarlet Turnip, White Tipped** One of the handsomest of the turnip radishes and a great favorite in many large markets for early outdoor planting. Roots slightly flattened on the under side, color very deep scarlet with a white tip; flesh white and of the best quality. Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.

**Early Scarlet Globe** A desirable sort for hotbed forcing and outdoor planting... Very early; top small. One of the best selling and most attractive radishes on account of its bright scarlet color and handsome shape; flesh white and tender, fit to pull in 28 days. Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.

**Crimson Giant** An early sort, looking much like the old Early Scarlet Globe, but more perfect in shape. It comes early but keeps on growing and remains tender, solid and sweet until it gets as large as a teacup or larger. Postpaid, pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.

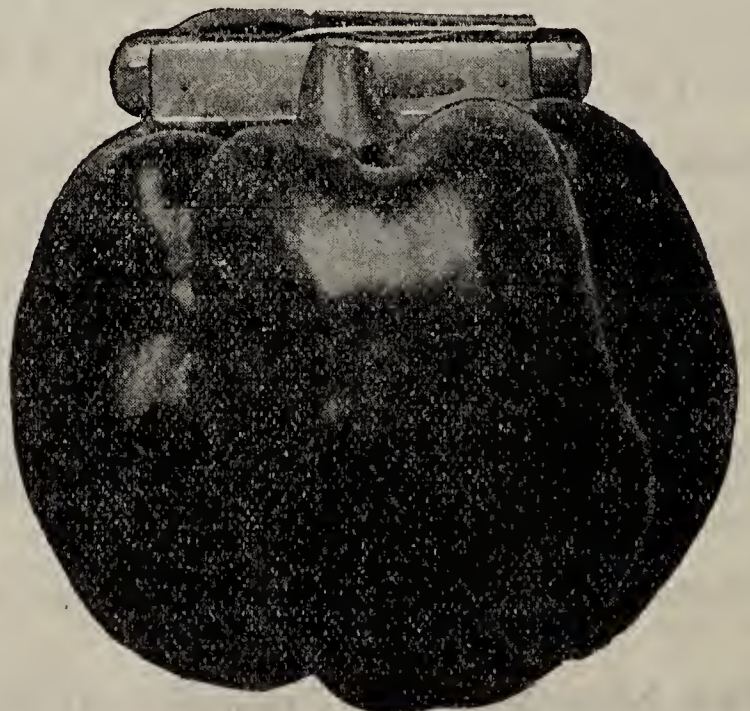
## Radishes

	Pkt.	oz.	¼ lb.	½ lb.	lb.
French Breakfast, stump rooted .....	\$0.05	\$0.10	\$0.25	\$0.40	\$0.75
Early Scarlet Turnip..	.05	.10	.25	.40	.75
Long Scarlet Short Top	.05	.10	.25	.40	.75
Chartier Half Long					
White bottom .....	.05	.10	.25	.40	.75
White Strasbourg .....	.05	.10	.25	.40	.75
Early White Turnip...	.05	.10	.25	.40	.75

## Winter Sorts

	Pkt.	oz.	¼ lb.	½ lb.	lb.
Cal. Mam. White					
Winter .....	\$0.05	\$0.10	\$0.35	\$0.50	\$0.90
Rose White Winter....	.05	.10	.35	.50	.90
Black Spanish, round or long .....	.05	.10	.35	.50	.90

# PEPPER



Ruby King



## Parsnip

(One ounce will sow 200 feet of drill.)

Sow early in spring in good, rich soil, which has been plowed deep. They are improved by frost.

**Improved Hollow Crown** Fine grained and excellent. **Price:** Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 90c.

## Spinach

An easily grown plant; the seed may be planted in the fall to secure good spinach early in the spring or even throughout the winter. The better and richer the soil, the larger and more tender the leaves will be. Use 8 pounds of seed per acre. For the home garden use one-half ounce for 100 feet of row.



## New Long Standing Spinach "Antvorskov." (Danish King)

This variety is slower to seed than any other sort. **Antvorskov** forms quite large tufts, compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. It is vigorous and a rapid grower. It is ready for use practically as early as any Spinach and remains in condition much longer. **Price:** Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 20c; ½ lb. 35c; 1 lb. 60c.

**Bloomsdale Savoy.** A rather curious kind with fairly large, much crumpled, glossy dark green leaves. Produces nearly twice the bulk of crop that the ordinary sorts do, is fully as hardy, and equal in all other respects. **Price:** Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 20c; ½ lb. 35c; 1 lb. 60c.

## Pumpkin



### Sugar Pie Pumpkin

**Culture.** Plant from May to July in hills 6 feet apart each way. One ounce for 15 hills; two pounds to an acre.

**Connecticut Field or Cow Pumpkin** The big yellow kind that is grown so much in the corn fields. **Price:** Postpaid, pkt. 5c; oz. 15c; ¼ lb. 25c; ½ lb. 45c; 1 lb. 90c; 5 lbs. \$4.00.

**Small Sugar** Most desirable variety for making pies. Smaller than the field pumpkin, round, flattened, fine grained, sweet and very prolific. Matures in 65 days and is an excellent keeper. **Price:** Postpaid, pkt. 5c; oz. 15c; ¼ lb. 25c; ½ lb. 45c; 1 lb. 90c; 5 lbs. \$4.00.

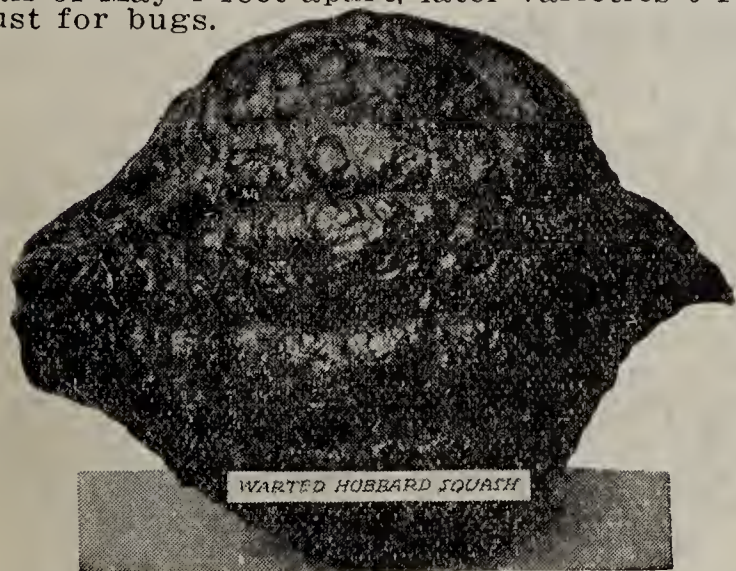
**Kentucky Field** A large variety, hardy, late and very prolific. Fruit is rounded, flattened, with sweet yellow flesh. Has thick meat of very fine quality and is excellent for canning. **Price:** Postpaid, pkt. 5c; oz. 10c; ¼ lb. 20c; ½ lb. 35c; 1 lb. 60c; 5 lbs. \$2.50.

**Cushaw or Crookneck** Has a hard white or green-striped shell, and sweet, solid, yellow flesh. Very hardy and a good keeper. It is a good pie pumpkin. **Price:** Postpaid, pkt. 5c; oz. 15c; ¼ lb. 25c; ½ lb. 50c; 1 lb. 90c; 5 lbs. \$4.00.

**Quaker Pie** A very prolific variety; a good keeper and one of the best for pies. **Price:** Postpaid, pkt. 5c; oz. 15c; ¼ lb. 25c; ½ lb. 45c; 1 lb. 90c; 5 lbs. \$4.00.

## Squash

**Culture**—Scientists have discovered a remarkable abundance of **vitamins** in summer squash. Highly recommended for children of weak physical development. Plant during first half of May 4 feet apart, later varieties 6 feet. Thin out to three plants in hill. Use tobacco dust for bugs.



WARTY HUBBARD SQUASH

**True Warty Hubbard** Large, olive-shaped, with dark green skin and very rich flesh. Our strain is extra fine and very warty. **Price:** Postpaid, pkt. 10c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.10.

**Table Queen** (Acorn Squash.) A smooth dark green squash, small size, six inches long, pointed end with a red block sometimes on the end. Eating quality second to none. Ideal as a half shell individual dish. **Price:** Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.10.

**Boston Marrow** This is a very productive fall and winter variety of medium to large size, oval shape, and thin skin. It is much used for canning and making pies. The fruits when ripe are bright orange. The flesh is of rich salmon yellow color. **Price:** Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.10.

**Mammoth Chili** A very large and attractive variety. The skin is a rich orange yellow, flesh thick, fine grained and sweet. **Price:** Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.10.

**Mammoth White Bush** **Price:** Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.10.

**Mammoth Summer Crookneck** **Price:** Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.10.



## SPECIALLY SAVED TOMATO SEEDS

**Culture.** Sow in a hotbed in early spring or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of making a hotbed. Transplant to the open ground when all danger of frost is past, setting the plants three or four feet apart each way. Use Bone and Potash Fertilizer, or well rotted manure in the hills. One ounce produces about 2,000 plants. For early crop sow in hotbeds in January or February. For late crop, in open beds in May.

**Kansas Standard** One of the best tomatoes for the Middle West. A true tomato of the potato leaved class. It is of rapid, vigorous growth, with strong, heavy stalks, which stand up well unless, which is often the case, they are pulled down with overabundant fruit. It begins blooming when only six or seven inches high, attains a height of from two and a half to three feet and sets its fruit—a rare habit in any tomato—from the first blossoms. The fruit is of a bright, glossy red color and is produced in clusters of from four to five tomatoes. In shape the fruit is found, slightly flattened, ripening clear to the stem, perfectly smooth. It has very few seeds; the meat is thick and firm and of a most excellent flavor. This tomato is a first-rate shipper. **Price: postpaid, pkt. 5c; ½ oz. 25c; 1 oz. 40c; ¼ lb. \$1.40; 1 lb. \$5.50.**

**Marglobe** A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, it produces large, smooth, meaty, globular, red fruits, which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first-class pulp. **Price: postpaid, pkt. 5c; 1 oz. 35c; ¼ lb. \$1.00; ½ lb. \$1.75; 1 lb. \$3.25.**

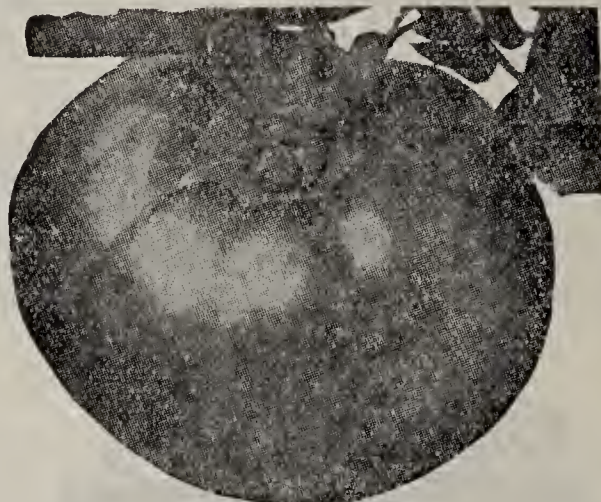
**Earliana** This Tomato is not only remarkable for its earliness, but for its handsome shape and bright red color. **Price: Postpaid, pkt. 5c; 1 oz. 35c; ¼ lb. \$1.00; ½ lb. \$1.75; 1 lb. \$3.25.**

**Dwarf Champion** A purple fruited variety forming a strong, erect, bushy plant two feet high. Often sold as Tree Tomato. Fruit smooth, medium sized, fairly solid and of good flavor. **Price: Postpaid, pkt. 5c; ½ oz. 25c; 1 oz. 40c; ¼ lb. \$1.40; 1 lb. \$5.50.**

**New Stone** One of the most solid large tomatoes. **Price: Postpaid, pkt. 5c; 1 oz. 25c; ¼ lb. 75c; ½ lb. \$1.40; 1 lb. \$2.75.**

**Dwarf Stone** Plants grow like Dwarf Champion. **Price: Postpaid, pkt. 5c; ½ oz. 25c; 1 oz. 40c; ¼ lb. \$1.40; 1 lb. \$5.50.**

**Golden Colossal** A large size yellow. **Price: Postpaid, pkt. 10c; ½ oz. 20c; 1 oz. 35c; ¼ lb. \$1.35; 1 lb. \$5.25.**



Bonny Best

**Bonny Best** The fruits of this desirable early sort are most attractive in shape and color. The crop ripens more uniformly than any other early scarlet fruited sort, and is of superior solidity and interior color. The vines are vigorous and produce a good crop of exceptionally round and deep fruits. One of the best for gardeners whose trade demands fruits of beautiful shape and color. **Price: Postpaid, pkt. 5c; 1 oz. 35c; ¼ lb. \$1.00; ½ lb. \$1.75; 1 lb. \$3.25.**

**Ponderosa** The largest variety in cultivation. A purplish pink, main crop tomato. The vines are vigorous and very productive. The fruits are very solid, with exceptionally few seeds. **Price: Postpaid, pkt. 5c; ½ oz. 30c; 1 oz. 50c; ¼ lb. \$1.75; ½ lb. \$3.00; 1 lb. \$5.50.**

**Yellow Pear and Yellow Plum** Are small yellow low tomato. **Price: Postpaid, pkt. 10c; ½ oz. 20c; 1 oz. 35c; ¼ lb. \$1.35; 1 lb. \$5.25.**

**Greater Baltimore** Main crop variety. **Price: Postpaid, pkt. 5c; 1 oz. 25c; ¼ lb. 75c; ½ lb. \$1.40; 1 lb. \$2.75.**

**Other Varieties** We can supply any of the standard sorts, whether listed here or not.

## TURNIPS

**Early Turnips** should be planted very early, and will keep growing until the ground freezes.

**Late Turnips** can be sown in July or August. Use 2 pounds of seeds to an acre.

**Extra Early White Milan** The earliest turnip. Tops very small, very erect and compact. **Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 90c; 5 lbs. \$3.25.**

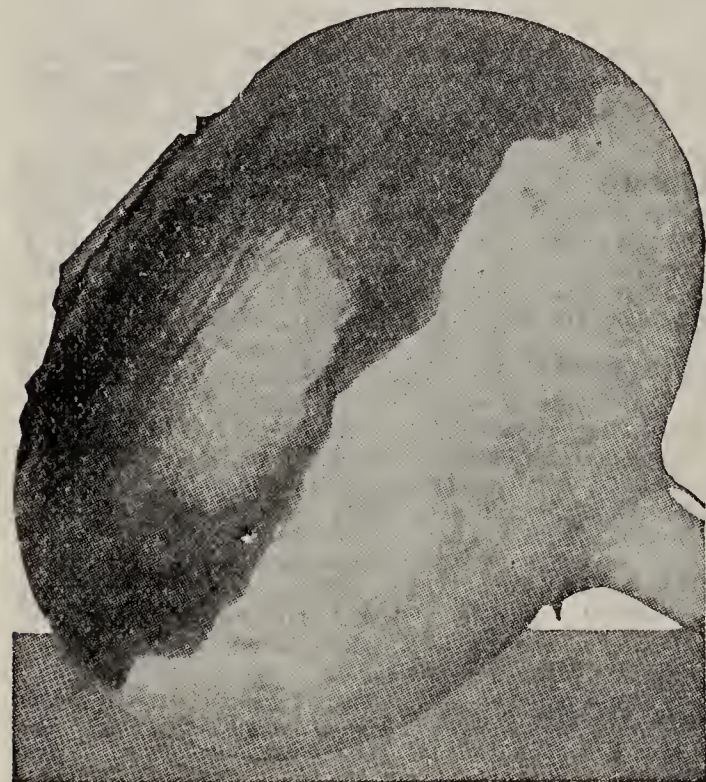
**Extra Early Purple Top Milan** Similar to the White Milan except the upper portion is a beautiful purple-red. **Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 90c; 5 lbs. \$3.25.**

**Purple Top, Strap-Leaved** The most popular sort. More largely grown than any other turnip; will form good size bulbs in seven or eight weeks. **Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 20c; ½ lb. 35c; 1 lb. 60c; 5 lbs. \$2.75.**

**Purple Top White Globe** Of a perfect shape with smooth, white skin. Flesh pure white, firm and crisp and of quick growth. **Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 20c; ½ lb. 35c; 1 lb. 60c; 5 lbs. \$2.75.**

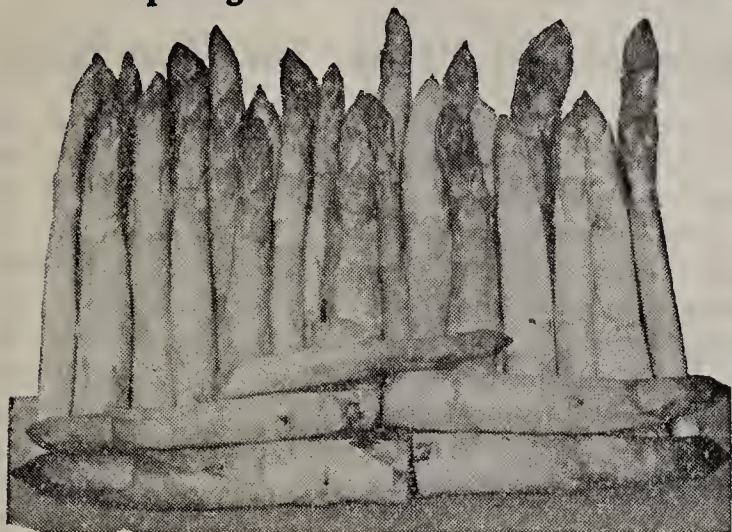
## Rutabaga or Swedes

**Improved American Purple Top** For the fine qualities and productiveness this is the best. The roots are finer and larger than the ordinary; the flesh is a rich yellow. **Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 20c; ½ lb. 35c; 1 lb. 60c; 5 lbs. \$2.75.**



Turnip



**Asparagus**

The Asparagus bed furnishes the first green delicacy for the table in the spring, is universally popular and requires but little care.

**Bonvallet's Giant.** Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.

**Columbia Mammoth White.** Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.

**Conover's Colossal.** Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.

**Cress or Pepper Crass**

**Early Curled.** Well-known salad. Sow at intervals all season. Price: Postpaid, pkt. 5c; 1 oz. 20c; ¼ lb. 50c; 1 lb. \$1.25.

**True Water.** Sow seeds along the border of running water. Price: Postpaid, pkt. 5c; 1 oz. 20c; ¼ lb. 50c; 1 lb. \$1.25.

**Broccoli**

The culture is the same in all essentials as for cauliflower. Withstands greater extremes of temperature than cauliflower.

**Early White Vienna.** Extremely early, with distinctly small tops. Price: Postpaid, pkt. 5c; 1 oz. 35c; ¼ lb. \$1.00.

**Early Purple Vienna.** Very early, with small top, the left stems being tinged with purple. Price: Postpaid, pkt. 5c; 1 oz. 35c; ¼ lb. \$1.00.

**Mustard**

**Southern Giant Curled.** Leaves are twice the size of the ordinary White Mustard and the flavor is sweet. Highly esteemed for salads, particularly in the South. Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 60c.

**Kohl Rabi**

The Kohl Rabi is a vegetable intermediate between the cabbage and turnip and somewhat resembles each in flavor. The edible part is a turnip shaped bush formed by the enlargement of the stem. Price: Postpaid, pkt. 5c; 1 oz. 15c; ¼ lb. 50c; 1 lb. \$1.75.

**Brussels Sprouts**

**Improved Half Dwarf.** The plants grow two to three feet high and produce from the sides of the stalk numerous little sprouts which resemble small cabbages one or two inches in diameter. Price: Postpaid, pkt. 5c; 1 oz. 20c; ¼ lb. 75c.

**Kale or Borecole**

**Dwarf German.** Very hardy, with dark green leaves; much improved by frost. Price: Postpaid, pkt. 5c; 1 oz. 15c; ¼ lb. 35c; 1 lb. \$1.10.

**Dwarf Curled Scotch.** Dwarf, beautifully curled, bright green. Price: Postpaid, pkt. 5c; 1 oz. 20c; ¼ lb. 50c; 1 lb. \$1.60.

**Leek**

Belongs to the onion family. Set the roots deep and draw the earth to them when cultivating.

**London Flag.** The variety generally cultivated in this country. Price: Postpaid, pkt. 5c; 1 oz. 20c; ¼ lb. 60c; 1 lb. \$2.25.

**MISCELLANEOUS****Parsley**

(One ounce will sow 150 feet of drill.)

Sow very early, thinly in drills one foot apart and half an inch deep. Soak seed in warm water a few hours before sowing.

**Champion Moss Curled.** A very select stock, finely crimped and curled. Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; 1 lb. 90c.

**Hamburg.** Turnip-rooted variety; used for flavoring soups.

Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 35c; 1 lb. 90c.

**Rhubarb**

Easily raised from seed.

**Large Victoria.** The standard variety.

Price: Postpaid, pkt. 5c; 1 oz. 10c; ¼ lb. 50c; 1 lb. \$1.50.

**Salsify**

**Mammoth Sandwich Island.** By far the largest and best for market. Roots of superior quality and double the size of the old variety. Price: Postpaid, pkt. 5c; 1 oz. 25c; ¼ lb. 75c; ½ lb. \$1.25; 1 lb. \$2.00.



Large Victoria Rhubarb

**Endive**

(One ounce will sow about 60 square feet.)

One of the best salads for fall and winter use. Sow seed in April for early use or in June or July for winter use. When leaves are eight inches long tie them together with a string near top of branch. Price: Postpaid, pkt. 5c; 1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.20.

**Nasturtiums**

**Tall Nasturtiums.** Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., the climbing nasturtiums can also be grown as pot plants for winter-flowering as screens, or as trailers for hanging baskets and vases. Price: Postpaid, ½ oz. 10c; 1 oz. 15c; ¼ lb. 35c.

**Dwarf Nasturtiums.** These plants have a neat, compact habit of growth and attractive foliage, and are excellent for borders, along paths and for pot culture. They bloom constantly throughout the season. Flowers are smaller than those of the tall varieties. Price: Postpaid, ½ oz. 10c; 1 oz. 15c; ¼ lb. 35c.

**Sweet Peas**

**Mixed Spencers.** A splendid mixture of the best Spencer varieties which are grown for us under careful supervision. In this you get all the colors of the named varieties. Price: Postpaid, ½ oz. 10c; 1 oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**Eckford's Best Mixed.** A fine mixture of all popular varieties. Will give you an abundance of fine flowers in many different shades and colors. Price: Postpaid, ½ oz. 10c; 1 oz. 15c; ¼ lb. 30c; 1 lb. \$1.



Sweet Peas



GENERAL INFORMATION

Average Amount of Garden Seed and Number of Plants for One Acre

Asparagus plants, 4x1½ ft.....	7790	Okra in drills, 2½x¼ ft.....	8 lbs.
Beans, Bush, in drills, 2½ ft.....	1½ bu.	Onions in rows for sets.....	60 lbs.
Beans, Pole, Lima, 4x4 ft.....	30 lbs.	Onions in rows to make large bulbs.....	6 lbs.
Beets and Mangels, in drills, 2½ ft.....	6 lbs.	Parsnips in drills, 2½ ft.....	10 lbs.
Cabbage in outdoor beds for transplanting..	12 oz.	Pepper Plants, 2¼x1 ft.....	17,500
Cabbage sown in frames.....	8 oz.	Pumpkin in hills, 8x8 ft.....	3 lbs.
Carrot in drills, 2½ ft.....	4 lbs.	Parsley in drills, 2 ft.....	5 lbs.
Celery seed .....	4 oz.	Peas in drills, short varieties.....	100 lbs.
Celery plants, 4x½ ft.....	20,000	Peas in drills, tall varieties.....	75 lbs.
Corn, Sugar .....	8 lbs.	Potatoes .....	10 bu.
Corn Salad in drills, 10 in., large seed.....	25 lbs.	Radish, in drills.....	6 lbs.
Cucumbers in hills, 3x4 ft.....	2 lbs.	Salsify, in drills, 2½ ft.....	15 lbs.
Cucumbers in drills.....	5 lbs.	Spinach, broadcast .....	30 lbs.
Egg Plant, plants 3x2 ft.....	5 oz.	Squash, Bush, in hills, 4x4 ft.....	4 lbs.
Endive in drills, 2½ ft.....	4 lbs.	Squash, Running, in hills, 8x8 ft.....	3 lbs.
Kale, German Greens.....	5 lbs.	Turnip, in drills.....	2 lbs.
Lettuce in rows, 2½ ft.....	3 lbs.	Turnip, broadcast .....	2 lbs.
Leek in rows, 2½ ft.....	4 lbs.	Tomato, in frames.....	2 oz.
Melon, Musk, in hills, 4x4 ft.....	3 lbs.	Tomato, seed in hills, 4x4 ft.....	3 oz.
Melon, Water, in hills, 8x8 ft.....	4 lbs.	Tomato plants .....	3,800

Weights, Measures and Amount of Seed to Sow to the Acre

	Pounds per Acre	Pounds per Bu.		Pounds per Acre	Pounds per Bu.
Alfalfa—Broadcast .....	18- 22 lbs.	60 lbs.	Millet—for seed .....	30 lbs.	50 lbs.
Alfalfa—drilled .....	12- 15 “	60 “	Millet—Japanese .....	15- 20 “	35 “
Barley .....	95-110 “	48 “	Oats .....	60- 80 “	32 “
Blue Grass, Ky. for lawns.....	75-100 “	14 “	Orchard Grass—for hay.....	21- 28 “	14 “
Blue Grass, Ky.—for pastures..	20- 30 “	14 “	Orchard Grass—for seed .....	10- 14 “	14 “
Blue Grass, Canada—lawns.....	60-100 “	14 “	Pasture, Mixture .....	30- 40 “	
Blue Grass, Canada—pastures...	14- 20 “	14 “	Peas, Canada field—broadcast..	150-160 “	60 “
Brome Grass .....	20- 30 “	14 “	Peas, Canada field—with oats...	90-100 “	60 “
Broom Corn .....	5- 8 “	48 “	Peas, cow—broadcast .....	80-120 “	60 “
Buckwheat .....	50- 60 “	52 “	Peas, cow—in drills .....	45- 60 “	60 “
Clover, Alsike—alone .....	8- 15 “	60 “	Peas, cow—in drills with corn..	20- 30 “	60 “
Clover, Alsike—in mixture.....	4- 6 “	60 “	Rape—broadcast .....	6- 8 “	50 “
Clover, Crimson .....	12- 15 “	60 “	Rape—in drills .....	4- 5 “	50 “
Clover, Mammoth—alone .....	8- 12 “	60 “	Red Top—solid seed .....	15- 18 “	
Clover, Mammoth—in mixture...	4- 6 “	60 “	Red Top—unhulled .....	20- 25 “	14 “
Clover, Red—alone .....	8- 12 “	60 “	Rye—early sown .....	56- 70 “	56 “
Clover, Red—in mixture.....	4- 6 “	60 “	Rye—late sown .....	84-112 “	56 “
Clover, Sweet—hulled .....	20- 30 “	60 “	Rye Grass .....	28- 35 “	24 “
Clover, Sweet—unhulled .....	25- 30 “	30 “	Sorghum forage—broadcast ....	50- 60 “	50 “
Clover, White .....	10- 12 “	60 “	Sorghum forage—in drills.....	12- 15 “	50 “
Corn .....	7- 14 “	56 “	Sorghum syrup .....	8- 10 “	50 “
Corn—for silage .....	40- 56 “	56 “	Soy Beans—broadcast .....	60- 90 “	60 “
Fescue, meadow .....	20- 30 “	24 “	Soy Beans—in drills .....	30- 45 “	60 “
Fescue, other varieties .....	28- 35 “	14 “	Soy Beans—in drills with corn..	15- 20 “	60 “
Hungarian—for hay .....	48 “	48 “	Sudan Grass—broadcast .....	20- 25 “	40 “
Hungarian—for seed .....	30 “	48 “	Sudan Grass—in drills .....	6- 10 “	40 “
Kaffir—drills .....	12- 15 “	56 “	Sunflower .....	6- 8 “	24 “
Kaffir—broadcast .....	50- 60 “	56 “	Timothy .....	10- 12 “	45 “
Lawn—Grass .....	60-100 “	20 “	Timothy and Clover—Timothy..	8 “	
Millet—for hay .....	50 “	50 “	Clover....	4 “	

**NON-WARRANTY**—Most of the failures with seeds are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, too much or too little water, etc., which renders it impossible for us to guarantee results, and although we take all possible care to supply only such seeds as will under proper conditions, produce satisfactory results, THE KANSAS SEED COMPANY GIVES NO WARRANTY EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, PRODUCTIVENESS, GERMINATION, PURITY, OR ANY OTHER MATTER OF ANY SEEDS IT SELLS, AND WILL NOT BE RESPONSIBLE FOR THE CROP.





**Harvesting a Field of Kansas Common Alfalfa**

# Alfalfa and Sweet Clover

## The Prosperity Crops

**Legumes Pave the Way to Cheaper Production,  
Maintain Fertility of the Soil**

The natural color pictures on this page show two crops that are gaining recognition very rapidly in all parts of the United States, a step towards diversified farming.

We advise growing more Alfalfa on Every Farm.

There are numerous varieties of Alfalfa and more are being added each year, but for the country as a whole, the Kansas Common Alfalfa has proven all that can be desired. Our Kansas Common Alfalfa can be successfully grown in every country where intelligent efforts are made.

For additional information see pages 10-11 and 13



**Sweet Clover Scene, the Greatest of Soil Builders**



# SEED CORN

Page 23

**Improved  
Pride-of  
Saline**

**Improved  
Kansas  
Sunflower**

**Improved  
Bloody  
Butcher**

The Kansas Home of Quality Seeds

## KANSAS SEED COMPANY

*Grass, Field and Garden Seeds*

422-4-6 North Santa Fe Ave.

SALINA, KANSAS